

F. University 731

Chapter 731: Nano Particles Have Special Photonic Effects

He felt more and more that Mist City Arts and Science University was like a treasure chest.

This private institution, without any state financing, was shockingly able to develop powerful scientific results like the graphene battery and graphene mechanical exfoliation preparation device just with the funding injected by Ding Yue's Feiyue Group. Moreover, they are even studying the photolithography machine experimental project. It's really remarkable.

"Dean Zhou, as you know, the experimental research of photolithography machines is very expensive, and we are just exploring."

Ding Yue said humbly with a smile.

In fact, the progress of the photolithography machine experimental project at Mist City Arts and Science University is proceeding quite smoothly. It's more than just the exploratory stage Ding Yue mentioned, they have already begun to overcome difficulties and obstacles.

"As long as there are some significant results, you can apply for national policy support." Vice President Zhou Sicheng said with a smile.

"Dean Zhou is right." Ding Yue nodded.

"Dean Zhou, as for whether this graphene mechanical exfoliation preparation machine is real or not, if we just run it, we will know."

Academician Zhao Jianwang is still more concerned about this graphene mechanical exfoliation preparation machine.

Although the photolithography machine experimental project spoken about by Principal Ding and Vice President Zhou just now is indeed high-end advanced technology, Zhao Jianwang doesn't believe that Mist City Arts and Science University alone can research any useful photolithography machine outcomes.

"Then, Principal Ding, shall we start?"

Upon hearing Academician Zhao speak, Vice President Zhou turned his attention back to the graphene mechanical exfoliation preparation machine.

"Alright!"

Seeing this, Ding Yue responded calmly, nodding his head, then took a step back, making some room.

"Xiao You, Luo Peng, and Yihang, you guys are in charge of the operation."

Ding Yue asked the three of them to demonstrate the operation to Vice President Zhou and Academician Sun. Once they successfully operated the machine to exfoliate and prepare high-purity graphene, Vice President Zhou, Academician Sun, and Academician Zhao would fully believe in Mist City Arts and Science University.

They all currently held some degree of skepticism.

"Yes, Principal Ding."

Luo Peng and Yihang Tong stepped forward, taking charge of adjusting the machine's parameters.

Then Ding Xiaoyou was in charge of the machine's graphene exfoliation preparation process, which was, in fact, automated.

"We just need to prepare the raw material, which is graphite."

Ding Xiaoyou explained while operating.

Everyone present was a high-level individual. Although they might not understand the core technology of the graphene mechanical exfoliation preparation machine in-depth, they could understand these simpler explanations at a glance.

Plus, there were two experts in the field of graphene from the Xia Country Academy of Sciences, Academician Sun and Academician Zhao, present.

Layers of graphene compose graphite, a very common mineral resource on Earth.

Peeling off layer after layer of graphene from graphite is a very difficult task, let alone achieving a high degree of integrity in the graphene peeled off.

That's why graphene is called a "future material," and the key reason it has not been widely applied in the market yet.

Many technology companies or institutions can peel off high-purity graphene, but the cost is too high. It's only suitable for use in experiments related to other graphene products. Due to the high cost, it's impossible to achieve large-scale commercialization.

The graphene market is massive, which explains why even the Xia Country Academy of Sciences has been alerted this time.

If the graphene mechanical exfoliation preparation machine from Mist City Arts and Science University could truly efficiently peel off high-purity graphene, then this gigantic market would be opened up directly.

"We carry out the peeling process on this graphite, which is entirely automated by the machine. We just adjust the parameters we want, and we can get single or multiple layers of exfoliated graphene."

Ding Xiaoyou concisely explained to Vice President Zhou and the others.

Then the graphene mechanical exfoliation preparation machine began to work. There was a display screen connected to the machine.

The screen showed specific parameters about the machine, the graphite and the exfoliated graphene.

"It's very quick, almost instantaneous." Ding Xiaoyou said with a calm smile. Then she pressed the start button on the graphene mechanical exfoliation preparation machine.

Accompanied by the deep humming of the machine, at the other end, single-layer graphene was being exfoliated inside the preparation container.

The screen displayed the data of this piece of single-layer graphene, which was almost 100% complete.

Because there is no internationally accepted standard for exfoliated graphene, the displayed data is infinitely close to 100 percent, making it a perfect single layer of graphene.

"These are the parameters."

Ding Xiaoyou pointed at the data parameters on the screen.

The exfoliated graphene is a type of nanomaterial and is almost invisible to the naked eye.

In any case, Wen Ruohan, Huang Youjie, Xu Bin, and Director Lin Jiming were all in the dark.

Because they had not seen any graphene at all.

"Hold on."

Ding Xiaoyou made some further adjustments, and the single-layer graphene in the preparation container was transferred onto a specially prepared exfoliation substrate.

At this moment, due to the unique light effects of nanoparticles, the single-layer graphene could finally be seen by the naked eye on the glass substrate, despite being less than 1 nanometer thick.

"I see it, I see it! Principal Ding, I see that layer on the glass; is that graphene?"

Upon seeing the layer of graphene on the glass, Wen Ruohan exclaimed excitedly.

At that moment, many eyes turned to Wen Ruohan.

The room fell into an awkward silence.

Wen Ruohan quickly lowered her head, not daring to make a sound, and immediately hid behind Principal Ding.

"My God, this is simply unbelievable."

Academician Sun was absolutely shocked upon confirming that this graphene mechanical exfoliation preparation machine could produce such high-quality graphene, shuddering involuntarily.

"They really did it..."

Academician Zhao Jianwang was also extremely excited.

"Old Sun, Old Zhao, how does it look?" Vice President Zhou Sicheng felt somewhat relieved at seeing the expressions on Academician Sun and Academician Zhao's faces.

"Mm-hmm!"

Academician Sun nodded.

Immediately afterwards, Academician Zhao also nodded, exclaiming, "It's hard to believe they actually made it. They developed this physical mechanical exfoliation preparation machine. This means that large-scale production of highly pure graphene can now be achieved!"

Upon receiving confirmation from the two expert academicians, Academician Sun and Academician Zhao, Vice President Zhou Sicheng excitedly grasped Principal Ding Yue's hand.

"Principal Ding, congratulations! Congratulations on your school developing such a cutting-edge technology and equipment!"

At this moment, Vice President Zhou Sicheng's congratulations were heartfelt because this technology and equipment were developed by our own people, and most importantly, were world-leading!

The significance of this was so great that even Zhou Sicheng, deputy dean of Xia Country Academy of Sciences, couldn't help but be overwhelmed with emotion.

At this point, everyone in the lab was excited, with the exception of Ding Yue.

The people from the Mist City Arts and Science University were naturally excited to receive praise and recognition from the Xia Country Academy of Sciences, and the people from the Xia Country Academy of Sciences were excited by the birth of this important technology and equipment.

Although Ding Yue had anticipated all this, there were so many people on the scene that he, being the president of Mist City Arts and Science University, had to appear excited too.

"Dean Zhou, Director Lin, I must thank you for coming to our Mist City Arts and Science University and recognizing our equipment and technological breakthroughs."

Ding Yue was also gripping Vice President Zhou Sicheng's hand, his expression quite excited.

Previously, when the Mist City Arts and Science University announced that they had developed a graphene battery, not many people believed it.

Now, the Mist City Arts and Science University had professional certification from the Xia Country Academy of Sciences and the National Patent Office, which immediately boosted their credibility!

Chapter 732: Monocrystalline Silicon Solar Photovoltaic Panels will Become History

After the two expert academicians of the Xia Country Academy of Sciences verified the "Graphene Mechanical Stripping Preparation Machine" created by the Mist City Arts and Science University, they remained astounded.

This machine holds significant importance in the future development of graphene materials.

"Principal Ding, it's truly astonishing that your Mist City Arts and Science University possesses such expertise. That's extremely rare and commendable," Vice President Zhou Sicheng exclaimed to Ding Yue.

"This is the result of the hard work and dedication from our faculty and students." Ding Yue cast his gaze at his sister Ding Xiaoyou, Luo Peng, Su Beilin, Tong Yihang and their team.

Without them, it would have been almost impossible for Mist City Arts and Science University to develop the Graphene Mechanical Stripping Preparation Machine.

Even though Ding Yue possessed advanced technology from a system, it would have been impossible to achieve this feat with just him alone or with the help of a group of less skilled individuals.

Keep in mind that Ding Xiaoyou, Luo Peng, Su Beilin, Tong Yihang and Liu Tiefei are currently the most knowledgeable and skilled individuals in their respective fields at Mist City Arts and Science University.

After getting to know that Luo Peng and Su Beilin were graduates of the Qinghua University's Department of Mechanical Engineering, and Tong Yihang and Liu Tiefei were the developers of the Big White robot, the academicians weren't surprised that together, these young people could create such an innovative machine.

These young individuals have a promising future, to the extent that the academicians believe that within the next fifteen to eighteen years, or perhaps even sooner, they could potentially surpass the older research scientists of the Xia Country Academy of Sciences.

"Principal Ding, with your university's research on the Graphene Mechanical Stripping Preparation Machine, it will now be easier for us at the Xia Science Institution to conduct some of our future graphene-related projects. It certainly dispels some of our previous concerns," Academician Sun said happily to Ding Yue.

In the past, a graphene research project led by Academician Sun had been put on hold, as they faced challenges with mass production of graphene.

"Academician Sun, you also had a graphene research project before?" Ding Yue asked curiously.

Vice President Zhou Sicheng laughed and explained, "A few years ago, Sun's team had a project on Graphene Solar Energy. Since solar power stations required massive scale deployments and high-purity graphene could not be mass-produced, they had to put the project on hold."

"Graphene Solar Energy?"

All of a sudden, Ding Xiaoyou chimed in, "Academician Sun, I've been working on a Graphene Solar Collection Panel Equipment recently."

"Oh?"

Academician Sun looked at Ding Xiaoyou with a profound interest, "Could I take a look at it?"

Haha, Academician Sun, we were planning to test Xiaoyou's Graphene Solar Collection Panel Equipment today as it's an appropriate day with the warm weather, ideal for solar panel testing," Ding Yue said.

Academician Sun was reminded of a few years ago when he was still leading his Graphene Solar Energy project.

He found those years not only as hard but also as rewarding.

"Sure!"

Ding Yue agreed instantly, and then instructed his sister, "Xiao You, bring the Graphene Solar Collection Panel Equipment. We'll go for testing now."

About half an hour later.

In the spacious plaza in front of the Book Ship Library at the Mist City Arts and Science University.

The area was broad, where the sun shone directly without any obstruction - perfect for harvesting solar energy.

Huang Youjie instructed the security staff from the Logistics Department to maintain order around the plaza.

Indeed, the presence of Principal Ding and a group of prestigious individuals at the library's plaza had attracted quite a crowd of students.

"Principal Ding, the Graphene Solar Collection Panel Equipment from our previous project was twenty times as effective compared to a regular solar collection panel. This means that if a typical panel could convert solar radiant heat energy into 1 watt of electricity, using the graphene solar collection panel would increase that to 20 watts," Academician Sun explained their previous research about the graphene solar collection panel.

"Twenty times?"

Ding Xiaoyou smacked her lips and mumbled, "Seems a bit low, doesn't it?"

"You think twenty-fold is still low?" Academician Zhao laughed and looked at Ding Xiaoyou, "Young lady, it's not good to boast too much."

Ding Xiaoyou thought to herself that she never bragged or spoke baselessly. Only her brother Ding Yue was the one who loved to boast. She always focused on empirical facts, relying on precise scientific data to guide her.

Although Ding Xiaoyou hadn't performed a practical test like today's before, she had already conducted many simulation tests in the lab.

The simulation tests indicated that the Graphene Solar Collection Panel Equipment she created could improve efficiency by approximately 50 times compared to a conventional solar panel.

Chapter 733: Monocrystalline Silicon Solar Photovoltaic Panels Will Become History

"Xiao You, in front of the academicians and experts at Xia Science Institution, we can't bluff. Let's test it first,"

Ding Yue said, stepping forward and tapping his sister Ding Xiaoyou's head.

"Stop it, Ding Yue, you will knock me silly if you keep it up," Xiao You glared at her brother.

He always loved to knock on her head.

After a while.

Xiao You gestured an "OK" to everyone, and her assistant Liu Yan also nodded.

Liu Yan was a fellow chemistry student Xiao You had met during military training.

Later, under Xiao You's guidance, Liu Yan gradually upgraded her knowledge and skills, and now she was a capable assistant to Xiao You.

Whenever Xiao You conducted research on graphene battery technology and graphene solar collection panels, Liu Yan would be by her side.

"Let's get started," Ding Yue called out to his sister.

"Okay!"

Xiao You and Liu Yan worked together to activate the graphene solar collection panel.

This graphene solar collection panel could be folded or rolled up, which was a feature of graphene material.

It looked ordinary from the outside. If you weren't told, probably no one would know it's a graphene solar collection panel.

The entire graphene solar collector was facing the sun overhead. The panel's area was one square meter, so the comparison of the collected solar radiation data converted to electric energy will be made with a conventional solar panel of the same size.

Due to the high performance of graphene, its efficiency in converting solar thermal radiation into electric energy is much stronger than that of widely used mono-crystalline silicon or poly-crystalline silicon wafers.

In other words, once graphene is mass-produced, silicon materials used in some energy fields may become obsolete and relegated to history.

If the test data of Xiao You's graphene solar collection panel (photovoltaic panel) is satisfactory today.

Then, the conventional mono-crystalline silicon solar photovoltaic panel will be history.

"The solar thermal radiation collection test will last for ten minutes, after which we can compare the data with that of the mono-crystalline silicon solar photovoltaic panel."

Having activated the graphene solar collection panel, Xiao You explained to the audience.

Ten minutes isn't a long time. In an instant, it was over.

Liu Yan stepped forward to shut off the device's transformation, making it easier for Xiao You to collect and compile data.

Half a minute later, Xiao You managed to obtain the data of the solar thermal radiation captured by the graphene solar collector and transformed into electric energy within ten minutes.

"Brother, the data is out."

Xiao You held a tablet in her hand and showed her brother Ding Yue the collected data.

This move was almost instinctual for Xiao You, because whenever she achieved something, the first person she thought of showing it to was her brother Ding Yue.

Taking the data from his sister, Ding Yue handed it over to Dean Zhou, Academician Sun, and Academician Zhao for their perusal. He then turned to Xiao You and asked, "So, how much of an improvement is it over the mono-crystalline silicon solar photovoltaic panel?"

"According to the data, it's about 62 times more efficient, and that's just a graphene solar collector that I haven't optimized much yet."

Xiao You proudly announced, her hand on her akimbo.

As expected, it was slightly higher than the 50 times improvement achieved in the simulation experiment. Moreover, Xiao You was confident that she could achieve an even higher efficiency.

"62 times!"

Upon seeing the comparison data, Academician Sun couldn't help but express shock.

When Academician Sun led a team to develop a graphene solar collector a few years ago, the increase was 20 times, which was already impressive.

"So, old Sun, if we use Xiao Ding's graphene solar collection panel to build a solar power station, the power generation efficiency would be at least 62 times greater than that of the current mono-crystalline silicon solar photovoltaic panel?"

Zhou Sicheng asked Academician Sun in a soft voice.

Academician Sun gave a determined nod: "Yes, it should be even higher."

"Xiao Ding, you've done an outstanding job. The graphene products you've developed are far more powerful than those of many professional scientific institutions. Truly impressive!"

Zhou Sicheng gave Ding Xiaoyou a big thumbs up.

This is because Mist City Arts and Science University had previously announced that Ding Xiaoyou's graphene battery would be hundreds or even thousands of times more potent than a standard lithium-ion battery.

Many organizations have studied graphene batteries, including the Xia Country Academy of Sciences, led by Academician Sun and Academician Zhao.

The graphene battery developed by the Xia Science Institution is about a hundred times as powerful as a lithium-ion battery. That means the graphene battery developed by Ding Xiaoyou is about ten times more potent than the previously developed one by the Xia Country Academy of Sciences!

The simple explanation for all this, apart from Ding Xiaoyou possessing more advanced knowledge and technology in graphene battery technology, is that Mist City Arts and Science University has a graphene mechanical stripping preparation machine, which can produce high-performance graphene.

The principle is simple.

When it comes to cooking a dish, the choice of ingredients undoubtedly makes a significant difference in the flavor. Mist City Arts and Science University utilizes top-tier ingredients to prepare their dishes, resulting in tastier results than those using ordinary ingredients.

"With Mist City Arts and Science University's graphene mechanical stripping preparation machine and Xiao Ding's graphene solar collection panel, I think monocrystalline silicon solar panels are about to be a thing of the past," sighs Academician Sun.

"By the way, Zhao!"

At that moment, Zhou Sicheng suddenly remembered something and immediately turned to Academician Zhao Jianwang.

"Hmm? Dean Zhou, what's wrong?"

Zhao Jianwang looked at Deputy Director Zhou curiously as he called his name.

"Remember the last meeting?"

Zhou Sicheng gestured at Academician Zhao.

"Ahh, you mean the meeting about new energy sources, right?" Zhao Jianwang remembered the moment Deputy Director Zhou hinted.

The government has been calling for promoted development of new energy sources in recent years, thus requiring technology research organizations to conduct studies in the field of new energy.

The Xia Country Academy of Sciences naturally takes the lead, and Academician Zhao Jianwang is one of their representatives.

Solar energy is undoubtedly a renewable new energy source, and many years ago, the government was promoting and supporting it.

However, since the efficiency of monocrystalline silicon solar panels in transforming solar thermal radiation is limited, the progress of using solar energy as a renewable new energy source has been slow.

"Now that Mist City Arts and Science University has equipment that can produce graphene efficiently, and with Xiaoyou's graphene solar collector panel, Zhao, I think you guys should consider relinquishing some of the national policies for new energy development to Principal Ding."

Zhou Sicheng looks at Academician Zhao Jianwang and suggests.

Originally, the national policy and burden for the development of new energy should have been borne by the Xia Country Academy of Sciences.

But under the current situation, the one that can do it better is clearly Mist City Arts and Science University.

Zhou Sicheng reasoned that the "Graphene Mechanical Stripping Preparation Machine" at Mist City Arts and Science University must get the attention and possibly attract the gaze of "luminaries."

Therefore, he contemplates that it wouldn't hurt to do a favor for Mist City Arts and Science University.

After all, it would take a lot of time, effort, and money for the Xia Country Academy of Sciences to embark on the research of graphene solar collectors.

Better to give this national policy to Mist City Arts and Science University, who has both the technology and the capabilities.

"What Dean Zhou suggests... is right. We will apply for it when we return."

Upon hearing Deputy Director Zhou's suggestions, Zhao Jianwang had no reason to refuse.

Furthermore, Zhao Jianwang understands the reasoning. What once was a heavy burden now becomes a shared obligation when given to Mist City Arts and Science University. How could he not be happy?

Moreover, he thinks that there will undoubtedly be many interactions between Mist City Arts and Science University and Xia Country Academy of Sciences in the future.

Zhao Jianwang even believes that the Graphene Mechanical Stripping Preparation Machine in which Ding Xiaoyou participated in researching stands a good chance of receiving the National Science and Technology Award.

And the National Science and Technology Award is highly regarded by the higher-ups in Xia Country.

Chapter 734: The Future Destiny of Mist City Arts and Science University

Three days later.

People from the Xia Country Academy of Sciences and the National Patent Office prepared to leave Mist City Arts and Science University and return home.

This time, they came to Mist City Arts and Science University, confirmed the authenticity of the "Graphene Mechanical Exfoliation Manufacturing Machine," and Vice President Zhou Sicheng even praised it as a "feat" of this era.

During these three days, there has been a lot of exchange about the future applications of graphene between the people from Xia Country Academy of Sciences and Mist City Arts and Science University.

Meanwhile, the National Patent Office has officially granted national certified patents for Mist City Arts and Science University's graphene battery technology and graphene mechanical exfoliation manufacturing machine.

"Principal Ding, your university possesses such advanced scientific and technological achievements, that play an invaluable role in the future graphene application market. What are your plans going forward?"

Vice President Zhou Sicheng asked Ding Yue before leaving.

"Dean Zhou, we certainly hope to convert our scientific research into commercial use that benefits our country and society. However, this process might take some time."

Ding Yue answered truthfully.

Since only Mist City Arts and Science University has mastered the Graphene Mechanical Exfoliation Manufacturing Machine technology, it was understood by all and sundry to be key to a gold mine.

Ding Yue was quite realistic, as Mist City Arts and Science University had only just mastered the technology. Full commercialization would take a considerable amount of time and funding.

But at present Ding Yue's funding is finite. Even though the animated film "Super Combat Team" made over a billion for Mist City Arts and Science University, it's still not enough.

Ding Yue is preparing to build his graphene preparation product system and graphene product research and manufacturing system.

By then, most of the future graphene market will be under the control of Ding Yue's Feiyue Group.

"Indeed, paving the way for graphene's market application will take at least a year or two, possibly even three to five years."

Zhou Sicheng nodded, "Principal Ding, this technology is of significant importance, with considerable international impact. If you encounter financial difficulties, I believe policy support can be given. However, this technology will naturally be made public by then."

"Yes, I understand what you mean, Dean Zhou," Ding Yue nodded and smiled, "If we can receive government support in this area, I must thank Xia Science Institution."

By calling it "our Xia Science Institution," Ding Yue aimed to tighten relations with the Xia Country Academy of Sciences.

In fact, Ding Yue does have some connection with the Xia Country Academy of Sciences. After all, he himself is an honorary researcher at the Xia Country Academy of Semiconductor Material Research.

This time, it was the Xia Country Academy of Sciences that came to the Mist City Arts and Science University and verified the authenticity of the Graphene Mechanical Exfoliation Manufacturing Machine.

"Mist City Arts and Science University is indeed a treasure trove. Especially your younger sister, Ding Xiaoyou, she has an unlimited future. Both Academician Sun and Academician Zhao have praised her many times in front of me!"

Zhou Sicheng said, laughing heartily.

Right now, both Academician Sun and Academician Zhao nodded, "Student Ding Xiaoyou is truly a rising star in the field of energy technology research."

"Thank you, Dean Zhou, and the two academicians for your acknowledgment of our Mist City Arts and Science University," nodded Ding Yue, smiling modestly.

Cars for the Xia Country Academy of Sciences and the National Patent Office had arrived. Soon, Zhou Sicheng and Lin Jiming would be heading to the airport to return to Yancheng.

"Principal Ding, before I go, let me mention the two things we discussed earlier. Firstly, regarding the technology of Mist City Arts and Science University's Graphene Mechanical Exfoliation Manufacturing Machine, we will strive for opportunities for you from the higher-ups at the Xia Science Institution. Secondly, the graphene solar energy collection plates involve a new energy project, which will then be handed over to you."

Vice President Zhou Sicheng finally reminded Ding Yue before getting on the car.

As Deputy Director of the Xia Country Academy of Sciences, Zhou Sicheng naturally hopes that the graphene-related technologies of Mist City Arts and Science University will have better applications in Xia Country.

And solely relying on Ding Yue's Feiyue Group, it would be difficult to bear such a huge market in a short time.

In this case, the policy and support of the state become very crucial.

Ding Yue also understood this well. Hence, he had invited Vice President Zhou and others from the Xia Country Academy of Sciences to come to his Mist City Arts and Science University.

After all, the application of graphene material in the future market is very large-scale, and the system needed to be built is also massive. Even if Ding Yue's Mist City Arts and Science University and Feiyue Group want to use their funding to build it, it would still take a very long time.

It might take several years to establish a comprehensive graphene production system, graphene product fabrication system, and graphene product research system. After that, it would take even longer to introduce graphene into market applications, as silicon materials used to be.

This process could take ten years, or maybe even twenty, if Ding Yue can allocate a considerable amount of funding each year.

The best example is the healthcare robot Big White, developed by Mist City Arts and Science University.

Chapter 735: The Future Destiny of Mist City Arts and Science University

It has been a year or two since the Feiyue Group was able to manufacture the medical healthcare robot Big White on a limited production line.

Obviously, the market application of graphene is much bigger than that of the medical health robot Big White.

However, with the support of national policies and funding, the situation is obviously different.

Ding Yue can also obtain a significant amount of benefits from the technologies at Mist City Arts and Science University, and simultaneously establish a system of graphene production, product manufacturing, and research much faster.

Besides, once there is support from national policies and funding, Ding Yue's Mist City Arts and Science University will officially enter into the country's sight.

In Xia Country, a university that can garner national attention and support indicates that its future development will undoubtedly not fall short.

"Goodbye, Dean Zhou, wish you a safe trip."

Ding Yue is very satisfied to bid farewell to this group of bigwigs from Xia Country Academy of Sciences and the National Patent Office.

Watching the car disappear into sight, Ding Yue turned around, looking at his Mist City Arts and Science University.

This private university is finally stepping onto a higher level.

If one were to say that before this, Mist City Arts and Science University was just a private university in Mist City valued by the Department of Education and had a pretty solid reputation.

But from now on, Mist City Arts and Science University will garner national attention.

Within the national range, the key, Double First-Class Universities have gained the attention and privileges they have today from the country, right?

Actually, all of these are not the most critical.

The key lies in the fact that this time, the Xia Country Academy of Sciences should strongly support the technology and influence of my "Graphene Mechanical Exfoliation Preparation Machine" from Mist City Arts and Science University and compete for the National Science and Technology Award!

What does the National Science and Technology Award mean?

It means that once it's received, Ding Yue's [Famous School System] will meet the final upgrade requirement, upgrading directly to Lv3, allowing more breakthroughs in various professional fields to be unlocked.

By then, Mist City Arts and Science University will have a smoother path towards becoming a domestically top-notch and even internationally renowned institute.

"Principal Ding, I see that Deputy Director Zhou of Xia Country Academy of Sciences has full confidence in your Mist City Arts and Science University. From beginning to end, I have always been very hopeful about your Mist City Arts and Science University. If you have any needs that the Department of Education can provide, don't hesitate to speak up."

Since Director Xiao Wenxing understood the scientific achievements of Mist City Arts and Science University with the people from Xia Country Academy of Sciences and the National Patent Office, he is now overflowing with confidence for Mist City Arts and Science University.

As long as it doesn't go against principles, the Department of Education will naturally give the greatest convenience to Mist City Arts and Science University.

After all, Xiao Wenxing also wishes to see a powerful, private university highly regarded by the country rise in Mist City.

"Ah...Director Xiao, you have already shown great support for our Mist City Arts and Science University. We just hope that the Master's Degree Authorization can be approved as soon as possible, and later, when we apply for a doctoral authorization, it can go smoother."

Ding Yue was not courteous either.

What the Department of Education can assist Mist City Arts and Science University with are just these matters.

The matter for the Master's Degree Authorization Point is quite significant, in fact.

Tong Yihang and others have already graduated early. If they want to continue to get a postgraduate degree, Mist City Arts and Science University must obtain the Master's Degree Authorization Point.

Otherwise, if Tong Yihang and others insist on going to graduate school, and Mist City Arts and Science University does not have Master's authorization, then they can only go to other universities for postgraduate studies.

Ding Yue does not want to see such a thing happen. This is a serious loss of talent.

"Fine, about your application for the Master's Degree Authorization Point at Mist City Arts and Science University, I will urge the higher-ups as soon as possible."

Xiao Wenxing answered firmly.

"Oh yes, Director Xiao, the old factories in the southern part of the University Town have already declined. As Deputy Director Zhou just mentioned, the future market for graphene

from our Mist City Arts and Science University is huge, and it seems like the graphene solar power station's research and manufacturing will also be handed over to us. So, we will need a lot of factory land. Money is not the problem. The key is whether we can apply for it as soon as possible."

Ding Yue recalled something else, perhaps Director Xiao Wenxing of the Education Bureau could help.

Although this time the application is not for educational land allocation, but for commercial land for factory construction, it is, after all, matched with the educational research results of Mist City Arts and Science University. If the Education Bureau could put in a good word, the application process could perhaps be smoother and quicker.

"Eh? Didn't you guys apply for a piece of land over there?" Xiao Wenxing suddenly asked.

"Yes, we bought a piece, but it's too small, and our plan is to build a factory for the health care robot Big White. For graphene production, we need a larger area to build a factory."

Ding Yue nodded honestly.

Indeed, Ding Yue had previously had An Yujia apply for a parcel of land in a southern rural industrial park, which was to be used to build a factory for the manufacture of the healthcare robot, Big White, as Ding Yue said.

After all, the demand for the healthcare robot Big White is quite enormous, both domestically and globally.

"Oh, I see."

After listening to what Ding Yue said, Xiao Wenxing thoughtfully nodded and then said: "Alright, as long as it promotes the development of Mist City Arts and Science University and does not breach certain principles, our Education Bureau will strongly support it!"

With Director Xiao Wenxing's stance, Ding Yue figured things would work out.

Graphene production and the application of graphene products can now be planned and put on the agenda.

After all, in terms of funding, there is a good chance of obtaining support from national policies. As for the land required to establish their own graphene system, Director Xiao Wenxing has promised to support it. Thus, the efficiency of purchasing land south of University Town for factory construction will most likely be quite fast.

Without the strong support of Director Xiao and the Education Bureau, it would probably take years for Mist City Arts and Science University to get approval to acquire a large amount of commercial land for factory construction.

"I really appreciate it, Director Xiao."

Ding Yue didn't say much, but eagerly thanked him: "Without the constant support of Director Xiao, Mist City Arts and Science University wouldn't have achieved as much as it has."

Even his secretary Wen Ruohan could tell that Principal Ding was buttering up Director Xiao Wenxing, but you know what they say,

The player is fogged, the onlooker clear.

Xiao Wenxing, as the target of the flattery, felt rather good about himself when he heard Ding Yue's words.

But Xiao Wenxing's thoughts were indeed correct, as he had indeed provided a great deal of support and convenience for the development of Mist City Arts and Science University over the past year or two.

After seeing off Director Xiao Wenxing, Ding Yue returned to school with his team.

Next, the things Ding Yue needed to take care of suddenly increased.

Even his sister, Ding Xiaoyou, had to start getting busy with him.

"Xiaoyou, in the next year or two, you may need to devote some of your time and energy to graphene and its product applications."

In the office, Ding Yue spoke earnestly to his sister Ding Xiaoyou.

"I know, the application of scientific achievements is a complicated and difficult process, I get that." Ding Xiaoyou shrugged.

Although she was somewhat reluctant, she knew she had to do it.

After all, like she said, the application of scientific achievements is a complex and difficult process. Whether it's the graphene mechanical exfoliation machine, or the graphene batteries, or the graphene solar collection panel - only Ding Xiaoyou's team from the Energy Chemistry Research Lab currently holds the technology.

To put these into practice, the burden on Ding Xiaoyou actually isn't light.

That's because a scientific research technology or product isn't just finished once it's developed. There are many subsequent complex and difficult problems that need to be solved by the developers.

"That's my sister, thoughtfully conscious. The application of graphene will determine the future and fate of our Mist City Arts and Science University. But we're not saying you have to put all your energy into this. As long as you can ensure the smooth application of graphene products, the rest of the time, you can continue with your research. If you need anything, just let your brother know."

This time, Ding Yue didn't tap his sister's head, but instead gently stroked her hair with satisfaction.

Chapter 736: Panic Ensues, Foreign Tech Company is in a Hurry

Half a month later.

The Xia Country Academy of Sciences, in collaboration with the National Patent Office, formally announced a significant technological breakthrough in the field of graphene by Mist City Arts and Science University.

Once this news broke, the internet was instantly shaken!

The next day, almost all news headlines were about Mist City Arts and Science University and graphene.

Furthermore, stocks of companies related to graphene and new energy soared limit up!

The phones at the headquarters of Feiyue Group, which backs Mist City Arts and Science University, were almost exploding.

"Hello, this is the Feiyue Group."

"Hello there."

"May I ask who you are?"

In the temporary office building of the Feiyue Group in the Administration Building, phones were ringing one after another, but An Yujia, the CEO of Feiyue Group, was immovable.

Because this kind of situation was completely within the expectations of An Yujia and Principal Ding.

Once the Xia Country Academy of Sciences and the National Patent Office announced the significant research achievements of Mist City Arts and Science University in the field of graphene, all those who had previously doubted Mist City Arts and Science University snapped back to reality.

The application range of graphene is very wide, let alone that Mist City Arts and Science University had previously announced that they had developed a graphene battery.

At this moment, all mobile device manufacturers and new energy car manufacturers smelled the scent of money. Everyone wanted to cooperate with Mist City Arts and Science University and Feiyue Group, as the graphene market was a huge gold mine.

However.

Ding Yue didn't intend to cooperate directly with those manufacturers. He was not satisfied with just earning a few hundred million yuan in patent technology licensing fees.

What Ding Yue wanted to do was to make his own Feiyue Technology the first company in the country, or even the world, to mass produce graphene and manufacture graphene products.

The money that could be earned this way was much higher than the patent technology licensing fees.

However, doing so also had a disadvantage – it would take more time, and required more investment from Mist City Arts and Science University and Feiyue Group.

First there was the funding, then the technical team. Ding Xiaoyou would have to keep leading the team, and Luo Peng and Tong Yihang would also have to participate, which would inevitably slow down the progress of the lithography machine research project.

If they directly licensed their patent technology, it would save a lot of time and all they would do is to lie back and count their money.

But Ding Yue did not choose to license the patent technology directly.

The graphene mechanical exfoliation preparation machine technology of Mist City Arts and Science University he had was one of a kind, the key to the graphene market. Why would he license the patent technology?

Why not enjoy it himself?

Moreover, there was a high probability that Ding Yue could get the support of the country. After all, Vice President Zhou Sicheng of the Xia Country Academy of Sciences had told

Ding Yue directly after his investigation that the country attached great importance to the technology of mass-producing graphene with the graphene mechanical exfoliation preparation machine.

Because products made from large amounts of graphene were needed everywhere, from the field of mobile devices to new energy vehicles, and even aerospace.

During this period, Ding Yue and An Yujia, the CEO of Feiyue Group, had been laying the groundwork for the establishment of a graphene production system.

Just yesterday.

The Urban Land Planning Department sent a message to Mist City Arts and Science University – the main approval for the purchase of the 1500 acres of commercial land in the south of University Town, which was applied for by the university, was basically through.

The purchase price for the land was much cheaper compared to the normal commercial land price, and the land in the old factory area in the south of University Town was not very valuable in the first place.

For instance, if real estate developers in University Town wanted to get some land, it would probably cost close to 10,000, or even more than 10,000 yuan per square meter.

This was because University Town was a popular area in Mist City and the house prices there were going towards 20,000 yuan.

However, these remote areas in the south were different, the land price was very cheap. Moreover, since there was an educational use component and it was specified that it was for the construction of a graphene production factory, the land price approved by the Mist City Government was naturally cheaper.

Because there was already news from above that the government attached great importance to the graphene-related technologies of Mist City Arts and Science University.

"Yue, I've prepared the list of materials for the manufacture of the graphene mechanical exfoliation preparation machine that you asked me to prepare,"

At the door of the principal's office in the Administration Building, the voice came before the person did.

This voice was undoubtedly that of Huang Youjie, the director of logistics at Mist City Arts and Science University. A second later, Huang Youjie appeared in front of Ding Yue.

"Come, let me see."

Ding Yue waved his hand and said.

Huang Youjie stepped forward and handed a printed list of materials to Ding Yue. "The price is not cheap."

Because Mist City Arts and Science University and Feiyue Group aimed to establish their own graphene production system, it made sense that they had to manufacture enough graphene mechanical exfoliation preparation machines to start with.

The raw materials for this machine had to be purchased in bulk.

"The first batch of material purchases cost 500 million yuan?"

Ding Yue looked at the total price on the checklist; it was a bit more than 500 million yuan.

"Indeed, we've already secured our land, haven't we? Director Chen Ping has already started talking with Tianfu Construction Group. They're about to head over to start building the factory. Of course, the equipment needs to be purchased as soon as possible. We can't waste time, can we?"

With a smile, Huang Youjie asked, "Yue, when will the money be in place?"

"It's been more than half a month," Ding Yue frowned slightly, muttering, "I still haven't got any specific news. The Xia Science Institution, the Education Bureau, they're all just telling me how important this is, how important, but I've heard nothing about support or funding."

Chapter 737: Panic Ensues, Foreign Tech Company is in a Hurry

To establish a complete graphene production system, the required funds might not be something that could be covered by just a few billion.

Perhaps it could take tens of billions or even more. Ding Yue couldn't possibly have that amount of money. And so, for over half a month, Ding Yue had been waiting for news from above.

He would need policy support from above and approval for bank loans before he could work at full speed.

Now that the Xia Country Academy of Sciences and the National Patent Office have announced a significant breakthrough in the field of graphene by Mist City Arts and Science University, it's possible that tech companies abroad studying graphene materials might also start to speed up their research.

...

The distant United States.

In Silicon Valley, California, there are countless tech companies. Quite a few of them are involved in fields such as graphene, new energy, and battery technology.

The largest one is a group company called "Ike Technology".

This company seems little known to the general public on a global scale, but anyone with a bit of specialised knowledge would know that Ike Technology Group has very close collaborations with many American companies within mobile devices, new energy vehicles, and other sectors in terms of battery technology.

Among them is Fruit Technology, naturally, as a leader in the American mobile devices domain.

Also, Tesla Motors, an electric vehicle and energy company in the U.S.

Their collaborations with Ike Technology are tight. When Xia Country announced a significant breakthrough in domestic graphene research, these foreign tech giants were suddenly on edge.

At this moment in the office of the Chairman of Ike Technology Group, Chairman Der • Ax was carrying out his work as usual, just having finished a call with the boss of a European electric energy vehicle company.

Bang!

The office door was unexpectedly flung open without warning.

"Hey, Christopher, you scared me." Seeing that it was his good friend Christopher Brown who had suddenly barged in, Der • Ax showed no anger.

That's because it was Der • Ax and Christopher Brown who had built the empire of Ike Technology together.

"Der, you don't know yet?"

Seeing that Der • Ax seemed as calm as usual, Christopher stepped forward, furrowed his brows, and asked.

"Know what? Our stock price has risen again?" Der • Ax shrugged, took out a Cuban cigar from his office desk drawer, the cigar cutter, and cut open the cigar.

"Oh my god, Der, such a big thing, and you still don't know?"

Christopher shook his head helplessly, then said very seriously, "Der, in the east, Xia Country claims they've made a significant breakthrough in graphene. From what I know, it should be a graphene battery!"

"A graphene battery?"

Upon hearing this, Der • Ax immediately straightened up. But moments later, he shook his head slightly, saying relaxedly, "A graphene battery isn't unusual, is it? Many tech companies and research institutions worldwide can develop graphene batteries using graphene."

Der • Ax's initial excitement was because the graphene battery is indeed a crucial technology, and the future direction of research and development for Ike Technology Group also involves graphene batteries, nuclear batteries, and other fields.

But after thinking carefully, Der • Ax felt there was something wrong.

It doesn't extraordinary to develop a graphene battery. Many countries, many tech companies, many research institutions worldwide are capable of that.

The graphene battery is not scary. The scary part is mass production of graphene, the material of the future; it's challenging.

No country worldwide can mass-produce high-quality graphene efficiently. This is also the reason why the graphene battery has not been promoted.

"Christopher, these pieces of news affect our stocks every year. I'm used to it now. A few years ago, we developed a graphene battery with a hundred or even two hundred times better performance than ordinary batteries. But so what? The cost is just too high; we simply can't promote it."

Der • Ax said, shaking his head.

A few years ago, Ike Technology Group also tried to break through with graphene batteries, but then they calculated that the cost was too high.

A mobile device using a graphene battery would cost several thousands of dollars extra, so wouldn't the eventual selling price be even higher?

How could consumers accept such a product with an extremely high cost and price?

Not only mobile devices, but also electric vehicles, they tried using graphene batteries and the cost was tens of thousands of dollars higher!

So up to now, Ike Technology Group has not launched extensive cooperation on graphene batteries with Fruit Technology Company and Tesla Motors.

"Der, I initially thought the same as you, but this time it might be different."

Christopher had a sense of crisis.

"Oh? What could be different?" Der · Ax frowned, asking in doubt.

Christopher took a deep breath and then said with great concern: "This time, Xia Country in the East may have overcome the trouble in the production of graphene."

Christopher heard from various channels that a scientific research team from a private university in Xia Country had developed a technology for mass production of graphene.

Xia Country's official statement confirmed a significant breakthrough in the graphene field, but did not specify what it was.

"Christopher, mass production of graphene, that's simply impossible. Is the technological level of Xia Country that high? Perhaps it's just mass production of some low-quality graphene, this is just an exaggerated news."

Der · Ax simply didn't believe it.

In his mind, Xia Country's level of technology still lagged behind America's.

High efficiency, high quality mass production of graphene - even American and European tech companies couldn't achieve it, how could tiny Xia Country possibly do so?

Unquestionably, it must be a distraction from Xia Country in the East.

"Der, we cannot be careless." Christopher said very seriously: "Over these past years, everyone has clearly seen the rapid development of Xia Country in the East, and although in certain technologies we, America, can lead comprehensively, that does not mean that we lead in all scientific research fields."

Christopher's serious words made Der · Ax somewhat alert.

After taking a puff of his cigar, he thought for a moment and agreed that there was some truth to Christopher's words.

In recent years, Xia Country in the East has developed rapidly, making high-speed progress in tech, economics, and other fields. There are many scientific research fields where Xia Country maintains advanced levels compared to the rest of the world.

"A few years ago we put the development project of graphene batteries on hold, are we supposed to pick it up again now?"

Der · Ax mumbled, "That would require a huge investment."

Just after Der · Ax finished speaking, his phone rang.

"Christopher, it's Steve Curry calling." After checking the caller ID, Der · Ax said to Christopher beside him.

Steve Curry was the famous chairman of a tech company in America, and this tech company's phones, laptops, and other mobile devices had a wide market globally.

Yes, it's Fruit Technology Company!

"Curry? I think it's probably related to the matter I just talked to you about, go ahead and answer, Der." Christopher shrugged, saying.

After hesitation for two seconds, Der · Ax answered Steve Curry's call: "Hey, Steve."

"Der, I'd think you probably know about the research Xia Country is doing in the graphene field, right?" A deep voice came through the phone.

"Yes indeed, I just found out. Do you think this could pose a threat to us, Steve?"

"What do you think?"

Chapter 738: Europe Mantech Group

Hearing Steve Curry's tone, Der • Ax seemed to realize the gravity of the situation.

He certainly knew what it meant if Xia Country could lower the cost of graphene batteries and have the ability to mass-produce graphene.

But this might not necessarily be true.

"Der, did you know there's an old saying in the far east Xia Country — prevention is better than cure!"

On the phone, Steve Curry spoke seriously.

"I know, even if Xia Country breaks through the production bottleneck of graphene, it wouldn't be able to quickly capture the massive market of graphene either."

Der • Ax began to take the matter seriously, then said, "Then we at Ike Technology Group will also start conducting research on graphene!"

"I hope you'll achieve results soon. Oh yes, you can start spreading the news," Steve Curry suggested.

"That's a good idea."

Der • Ax agreed with Curry's suggestion.

If Ike Technology Group also releases some news about graphene, the world's attention wouldn't be completely absorbed by Xia Country in the East.

On the side of eastern Xia Country, it was just a private university making progress in the field of graphene, but Ike Technology Group has a strong reputation and power globally. When Ike Technology Group also releases news about graphene, where would the world's attention focus?

"I'll be waiting for your good news. If our Fruit Phone can use graphene batteries next year, our declining sales will definitely soar again," Steve Curry spoke earnestly.

The sales of Fruit Technology Company's Fruit Phone have been declining worldwide.

They had always been competing in the market with Nine Star Tech from East Asia along with the Chinese phone from Huaxia Group in Xia Country which has begun to have its own processor and system. With its high-quality manufacturing, it began to compete with Fruit Technology Company.

Fruit Technology Company has clearly felt tremendous pressure in recent years.

Steve Curry had to take seriously the major progress in graphene announced by Xia Country this time.

"Rest assured, Curry. The graphene battery technology and cost reduction technology controlled by our Ike Technology Group are undoubtedly the best in the world!" said Der • Ax confidently to Steve Curry.

"Hopefully."

Beep, beep, beep~

After hanging up the phone, Christopher Brown looked at Der • Ax and asked, "Der, shall we start initiating graphene battery project research?"

"Of course, Curry has high expectations of us, and we can't lose to Xia Country in the East, can we?"

Der • Ax took a puff of his cigar, then said, "Just wait and see, the battle of graphene batteries has begun, our competition shouldn't be focused on Xia Country in the East, but should be Europe!"

In Der • Ax's opinion, Xia Country in the East is nothing to be afraid of, he hasn't even considered the competitiveness of companies in Xia Country.

On the other hand, there is a company in Europe that has long been a thorn in Der • Ax's side.

This company is called Mantech, a European energy tech company that has a high reputation in the field of energy technology and is capable of competing with Der • Ax's Ike Technology Group.

Europe.

Headquarters of the Mantech Group.

Almost at the same time as Ike Technology Group's Christopher Brown learned about the major breakthrough in the field of graphene announced by Xia Country in the East, the person at the helm of the Mantech Group, William Burt, also got wind of the news.

This prompted William Burt to immediately summon his most competent aide, John Dalton.

"William, I think the news from Xia Country in the East has spread all over the world. Both Russia and America will react. We can evaluate the situation before making a decision," advised John Dalton.

William Burt looked very young, probably in his thirties or at most forties. He became the head of the Mantech Group as a family heir. As William Burt's power at Mantech has gradually stabilized, he is not likely to take excessive risks at this point.

"Does any scientist in graphene under Mantech have any substantial suggestions?"

William Burt looked up at Dalton and asked.

Dalton shook his head and said, "I'm trying to contact Dr. Holly."

This Dr. Holly mentioned by Dalton is a notable European energy scientist who has won many awards in the field of energy.

"We have invested in several laboratories at Imperial Polytechnic University. We've always paid great attention to energy technology, particularly graphene. Haven't we yielded any better research results?"

William Burt mentioned the experimental research labs at the Imperial Polytechnic University funded by the Mantech Group.

These labs are all working on cutting-edge energy science and technology research, including research on graphene.

"All our research is based on the assumption that graphene can be mass-produced with high quality."

Dalton expressed helplessly as he spread his hands out.

Even if Mantech Group had experimental laboratories at the Imperial Polytechnic University studying the technological achievements of graphene products.

But all of this is predicated on one assumption, that is, graphene can be mass-produced.

Only when graphene can be mass-produced can these research findings have a place to be fully utilized.

Otherwise, they can only remain on the research lab stage, because the costs are too high to bring to the market.

Dalton believed that this logic would apply to all tech companies or institutions globally that are researching graphene energy technology.

In fact, Dalton's understanding was indeed correct. Ike Technology Group, Mantech's old rival in the United States, was also conducting technological research on graphene batteries. But like Mantech, if they could not mass-produce graphene, all graphene product research could only take place in the laboratory.

Dalton speculated that perhaps Ike Technology Group has temporarily shelved graphene product research, as there has been little news about it in recent years.

"However, William, I think the time is ripe. We should increase our investment in graphene production methods and strive to achieve a certain scale of graphene production, thereby reducing the cost of graphene technology products."

Dalton thought for a moment and felt that Xia Country's announcement of a significant breakthrough in graphene was not unfounded, but rather a possible reality.

For Dalton had conducted extensive research on Xia Country's technological research level over these years and was surprised to discover that Xia Country was not to be underestimated.

If Xia Country's announcement of a significant breakthrough in graphene is true, and they can mass-produce graphene and independently develop graphene products, then the market could soon be dominated by Xia Country.

"But Dalton, can we mass-produce high-quality graphene now?" William Burt asked very doubtfully.

Dalton shook his head directly: "Almost unlikely, but if we increase R&D investment, perhaps we could achieve a certain scale of graphene production, although this would relatively increase the cost of graphene products."

If Dalton knew at this moment that Mist City Arts and Science University had developed a graphene mechanical stripping preparation machine that could produce high-purity graphene with extreme efficiency, he would definitely abandon this idea.

But Dalton could not think of it in any way, because neither Mist City Arts and Science University nor the Xia Country Academy of Sciences had released specific news about the mass production of graphene.

Both the University and the Academy, as well as the official authorities in Xia Country, were very smart about it.

They only announced a significant breakthrough in the field of graphene.

This would make tech companies or research institutions in Europe, the United States, and other countries all "nervous".

"Dalton, in that case, it's time we started acting actively. I think Ike Technology Group in America is sure to make a move!"

William Burt stated in a somber tone.

"Alright, William, I will take care of it. Before that, we can release the news." Dalton nodded, then smiled and suggested, "In this way, we can get the world's focus on graphene to be on us."

"Agreed!"

William Burt agreed with Dalton's suggestion.

The European Mantech Group and the American Ike Technology Group shared almost the same idea.

That is to increase the financial investment and research in the field of graphene. Moreover, after Xia Country announced that they made a significant breakthrough in the field of graphene, they also wanted to announce that they have made important progress and achievements in the field of graphene.

After all, if only Xia Country claimed to have made a significant breakthrough in graphene, and other tech companies or research institutes around the world made no response, the world's attention would soon shift to Xia Country.

The market would also lean towards Xia Country, allowing Xia Country to take the initiative, something neither American nor European tech companies would allow.

Besides, to Dalton and William, Xia Country's announcement of a major breakthrough in graphene was merely a catalyst. The main opponent this time was still Ike Technology Group in America.

...

Xia Country, Mist City,

At Mist City Arts and Science University, Ding Yue was dealing with numerous tasks related to establishing a graphene production system.

During Ding Yue's busy work, the secretary Wen Ruohan suddenly brought him an important piece of news.

"Principal Ding, there's new news internationally."

As the secretary to Principal Ding, Wen Ruohan has to keep track of both domestic and international situations.

Principal Ding might not know it at first due to his busy work, but as a secretary, Wen Ruohan needs to inform Principal Ding as soon as she is aware of it.

"Oh? What's the news internationally?" Ding Yue paused his work for the moment, looking at Wen Ruohan and asked.

"Almost at the same time, Ike Technology Group from America and Mantech Group from Europe announced that they also have core technology and products in the field of graphene."

Wen Ruohan promptly reported: "I just looked up these two companies..."

"I know about these two companies."

Before Wen Ruohan could finish, Ding Yue cut her off, nodding with a piercing gaze.

Chapter 739: National Support and Bank Loans

"Principal Ding, do you know about them?"

Wen Ruohan asked, looking at Principal Ding in astonishment.

She had just looked up these two technology companies and thus knew about them. After all, she hadn't heard of them before.

Only after researching did Wen Ruohan find out that Ike Technology Group and Mantech Group were both leading technology companies in the energy domain abroad.

"Of course, we're starting to research graphene, and my sister Xiao You is a researcher in energy chemistry. So, it's necessary for me to have a deep understanding of the international situation." Ding Yue casually said to his secretary, Wen Ruohan.

When it comes to doing one's homework, Ding Yue prided himself on being well-grounded. No matter which domain Mist City Arts and Science University was involved in, Ding Yue would deeply study it.

Firstly, there is Ike Technology Group from America. Ordinary people may not have even heard of this tech company.

Only after delving into it did Ding Yue realize that this company was extraordinary, as it was among the top in the energy sector in America.

The energy and battery technologies and products of Ike Technology were closely linked and cooperated with American giants like Fruit Technology and Tesla Motors.

No need to say more about Fruit Technology and Tesla Motors, they were the symbols of mobility related to smart devices and electric energy vehicles in America.

This alone shows how powerful Ike Technology Group is.

Furthermore, there's this Mantech Group from Europe, which also operates in the energy sector. It has profound connections with England, and a large section of the energy battery market in Europe can't be separated from Mantech Group.

These two energy technology companies have almost simultaneously claimed to possess advanced graphene technology.

Without a doubt, this is to counter Xia Country's announcement about a major breakthrough in graphene technology.

However, no one knows this better than Ding Yue.

Mist City Arts and Science University and Feiyue Group control the key to truly unleash the graphene market.

Whether it's Ike Technology Group from America, or the Mantech Technology Group from Europe, they merely aim to capture global attention.

They might indeed have some research achievements in the field of graphene, but they are still far from being able to produce high-quality graphene efficiently.

Thus.

Ding Yue was not concerned at all about the declarations made by Ike Technology Group from America and the Mantech Technology Group from Europe.

All he needed to do was to steadily set up his graphene production system.

"Then... Principal Ding, doesn't that mean we suddenly have two additional competitors?"

Wen Ruohan thought for a while and immediately frowned.

If Ike Technology Group and Mantech Technology Group, both strong energy tech companies, really do possess advanced graphene technology, wouldn't that mean they would directly compete with Mist City Arts and Science University and Feiyue Group?

Hearing this, Ding Yue just smiled.

Wen Ruohan was truly a simple-minded girl. Her thoughts were quite straightforward, and she didn't think of the deeper situations.

"Competitors?"

Ding Yue gave a cold smile and said, "They are not qualified."

Ding Yue's statement was not baseless, as he knew very well, the graphene technology controlled by either Ike Technology Group or Mantech Technology Group was on an entirely different level compared to his Mist City Arts and Science University.

Seeing Principal Ding's confidence, Wen Ruohan stopped worrying about anything else. As a secretary, all she needed to do was to accomplish the tasks assigned by Principal Ding.

Ding-a-ling!

At that moment, the landline telephone on Wen Ruohan's desk rang.

Seeing this, Wen Ruohan immediately went to answer it, "Hello, you've reached the office of the Principal of Mist City Arts and Science University, I'm the Principal's secretary..."

As Wen Ruohan was answering the call, CEO An Yujia of Feiyue Group entered the office.

"Principal Ding."

After An Yujia entered, she noticed Wen Ruohan on the phone, so she lowered her voice, "Important matter."

"Come here and tell me."

Ding Yue beckoned her to come closer to discuss, so not to disturb Wen Ruohan on the phone.

"Principal Ding, we just received a call from the bank at Feiyue Group about the introduction of the Special Loan for Graphene Industry Development."

An Yujia came forward and reported the news right away.

"Oh?"

Hearing this, Ding Yue became serious and asked, "Are you sure it's about the Special Loan for Graphene Industry Development?"

Director Xiao Wenxing of the Education Department had mentioned this a few days ago. Since the country had strong intentions to support their graphene mechanical exfoliation machine and other related technologies at Mist City Arts and Science University,

Therefore, for the bank loan, there was a substantial discount.

It was said that the interest was very low.

Ding Yue looked at An Yujia and asked again, "Did the bank mention how much we can borrow, and what the interest rate is?"

This is crucial.

Because for Mist City Arts and Science University and Feiyue Group to set up their graphene production system, the estimated budget would be tens of billions of yuan.

"The bank said that the first batch of loans could total up to ten billion yuan, and the interest is only one fifth of ordinary business loans."

Chapter 740: National Support and Bank Loans

An Yujia replied seriously.

"One fifth, this discount is really generous." Ding Yue's mouth twitched into a smile when he heard this.

In other words, under regular conditions, if the interest is ten million, the interest on this state-supported Special Loan for Graphene Industry Development would be just two million.

The first loan is ten billion yuan. Whether Ding Yue takes the loan or not, he needs money to establish the graphene production system.

This is the first time Ding Yue has felt that his Mist City Arts and Science University is so strapped for cash.

However.

After his Feiyue Group formally controls the entire graphene market in a few years, he should no longer be short on funds.

"Then Principal Ding, we will finalize the details of the Special Loan for Graphene Industry Development with the bank in the next few days. Once we get the money, we can begin,"

An Yujia said very capability.

"Okay, Miss An, you need to be meticulous and efficient in your work. I look forward to hearing good news from you." Ding Yue nodded, agreeing to An Yujia's proposal to finalize the ten billion yuan loan with the bank as soon as possible.

"Okay."

An Yujia replied.

Wen Ruohan finished her call and came over and said, "Principal Ding, that was a call from our superiors. They mentioned some support policies for our Mist City Arts and Science University and Feiyue Group in the graphene industry. They will issue a document to the Mist City Education Bureau in a few days."

"Okay, I got it."

After hearing Wen Ruohan's words, even though Ding Yue's expression was calm, he was quite excited inside.

He's finally waited until this day.

From his original plan to invite the Xia Country Academy of Sciences to witness the graphene mechanical exfoliation machine at his university to now, what Ding Yue wanted was national support and financial support.

The national support policy is coming soon, and the advantageous special loan from the bank can also be finalized soon.

One must say the national support for his Mist City Arts and Science University is very substantial!

Next, Ding Yue's Feiyue Group will officially begin to establish the largest graphene production factory in the country, even in the world, on the land in the southern part of University Town.

Now he has already got the land.

Soon he will be able to finalize everything with the bank.

There is one more thing that needs to be resolved by the Mist City Arts and Science University.

That is the team!

If you want to manufacture high-quality graphene, you first need to produce machines for graphene mechanical exfoliation.

This requires Ding Xiaoyou, Luo Peng, Su Beilin, and Tong Yihang from the Department of Mechanics to lead, since they were the ones who originally developed the graphene mechanical exfoliation machine.

"Xiao Wen, call my sister and Luo Peng and Tong Yihang over." Ding Yue instructed his secretary, Wen Ruohan.

"Yes, Principal Ding."

Ding Yue called them over this time to properly upbraid them to lead a team to establish a professional graphene production team.

In fact, Ding Yue had already told them to prepare for this before.

If you need to establish a professional team to guide the production of graphene mechanical exfoliation machines, naturally it's best to choose students from the Mist City Arts and Science University.

Especially those from the Department of Mechanics.

Because Ding Yue believes in their technical knowledge, and he could give them bonuses anytime. Their efficiency and professionalism should be stronger than outsourcing.

About five or six minutes after Ding Yue instructed Wen Ruohan, he received a call from Director Xiao Wenxing of the Education Bureau.

Director Xiao made this call mainly to ask if Ding Yue had received the two key issues regarding national support policy and bank loans.

As Director of the Education Bureau, Xiao Wenxing naturally paid great attention to the establishment of the graphene industry by Mist City Arts and Science University.

Let's put it this way.

If Mist City Arts and Science University succeeds in building up the graphene industry, it would also be an achievement for Xiao Wenxing, who is in charge of education.

Therefore, Xiao Wenxing has been supporting Mist City Arts and Science University so much, whether it is the national support policy, land acquisition, or bank loans, Xiao Wenxing has also played a role in them.

"Director Xiao, the bank has already contacted my Feiyue Group, and the first batch of loans can reach ten billion yuan. I sincerely thank you for your support and help towards Mist City Arts and Science University."

Ding Yue briefly informed Director Xiao Wenxing of the current situation.

"Principal Ding, you don't need to be so polite." Xiao Wenxing said with a smile: "I am truly happy to see the achievements of Mist City Arts and Science University. At the foundation-laying ceremony for the factory, I, along with other leaders, intend to be present."

"Great, we welcome Director Xiao and the leaders of Mist City to attend the foundation-laying ceremony!" Ding Yue was slightly taken aback, and then quickly responded.

Ding Yue had almost forgotten about the foundation-laying ceremony.

After acquiring the south campus factory area in University Town, Ding Yue had instructed Chen Ping, the head of the Department of Architecture, to contact the Tianfu Construction Group. He wasn't sure if the construction had started, but if it had, a foundation-laying ceremony was necessary.

After all, the significance of the graphene factory zone was extremely important!

"Alright, Principal Ding, you go ahead with your work, I also have many things to handle, we'll meet later."

"Okay, goodbye Director Xiao."

After hanging up the phone, Ding Yue began to contemplate the foundation-laying ceremony for the graphene factory area.

Ding Yue hadn't given this much thought before.

However, after Director Xiao's suggestion, Ding Yue felt that it was quite necessary. After all, the graphene production area is of great importance, which the country also values very much, hence the leaders of Mist City would surely also give it due importance.

At that time, the foundation-laying ceremony will provide an opportunity for the leaders of Mist City, apart from Director Xiao, to interact with Mist City Arts and Science University for the first time, which would be very useful for the future construction and development of Mist City Arts and Science University in the region.

The construction and development of Mist City Arts and Science University have two directions.

One direction is teaching level, social status, scientific research strength, and so on.

The other aspect of construction and development involves tangible projects such as campuses and local areas.

For example, the campuses currently owned by Mist City Arts and Science University, the ones under construction, and the allocation of land for education that is being applied for.

Furthermore, the graphene factory area that belongs to Mist City Arts and Science University!

All these tangible constructions, land uses etc., are all within Mist City's territory.

Getting well-acquainted with the leaders of Mist City would definitely be beneficial for future development in this area.

"Xiao Wen."

Ding Yue called Secretary Wen Ruohan again.

"Principal Ding, what else can I assist with?" Wen Ruohan immediately approached, ready to serve at any time.

She had just contacted Ding Yue's sister Ding Xiaoyou, and Luo Peng as well as student Tong Yihang.

"Regarding the groundbreaking ceremony for the graphene factory area, get in touch with Chen Ping from the Architecture Department and ask for a plan."

Ding Yue instructed.

"The Groundbreaking ceremony?"

Wen Ruohan was taken aback, and then realized that for a new construction project, there indeed needs to be a foundation-laying ceremony.

But, isn't that usually for large-scale construction projects?

Like newly-built airports?

Railway stations?

Exhibition centres?

Do they also need a groundbreaking ceremony to build a graphene factory?

Wen Ruohan still had no specific concept of the graphene factory that the school was going to construct. She just thought it was just a factory.

In fact, this time, the construction of the graphene factory area will include the production and manufacturing plant for the graphene mechanical stripping preparation machine, the graphene production plant, and the factory for the production of graphene-based products.

The first one focuses on manufacturing the machine used for graphene mechanical stripping.

The second is to produce graphene.

The third is engaged in the production of technological products made of graphene.

"Alright, Principal Ding, I will contact Director Chen immediately." Wen Ruohan nodded and promptly made a call to Chen Ping, the Head of the Department of Architecture.