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▲ Author and a satellite model

The year 2008, when I entered the former JSAT, became a turbulent year, so that I can not forget it. Because after I entered the company in April, in October the three companies, the former JSAT, SCC and SkyperfectTV! have been merged into the largest company in Asia that has thirteen satellites.

During my school days, every time I heard various news about mergers, I was surprised by the fact that the society changed day by day but I could not feel realistic for me. Because of that I was very surprised when I heard that the company I had entered was going to be merged. Although at that time I was new recruit, I could feel that the merger with the other two companies was not so easy, but also that the merger gave our new company synergy effects through the performance of bosses and seniors.

The new company has multichannel pay TV business based on "SKY Perfect TV!", "SKY Perfect TV! HD" and "SKY Perfect TV! e2" and satellite business. I am involved in the satellite business. We provide various services that use the merit of satellite communication. For example, "ExBird" and other VSAT services provides highly reliable communication network during times of disaster, "OceanBB" service provides internet access on ships on voyage and "Sky-Access" service provides mass transmission of various contents not only video but also data in real time. We help make every day life safe, convenient and comfortable.

Experience that I saw meteor showers when I was in high school led me to enter this company. When I was a little girl, I used to see meteor showers with my family at the yard of family's home in "Tochigi". My teacher who taught me science gave me the chance to see meteor showers on the high school roof which was the best spot for seeing stars.

In 1999, outburst Leonid meteor showers were expected and everybody in the world was looking forward to that. I ran up the stairs leading to the roof in the hope of seeing meteor showers. Lying on the roof of the high school, I saw nothing but darkness above me. It was very beautiful to see star falling through the sky, therefore even now I remember that I followed meteor showers with my eyes like crazy forgetting the coldness of November. Gazing at stars at night for hours, I wondered when and how stars came in to the world and why stars twin-



▲ Three sisters, who were often looking at stars together

kled very beautifully in the dark. I felt in my bones that universe had always something more to learn and I wanted to solve the mysteries of the universe. I created my destiny.

I went to a university in Nagano and studied physics based on researching universe. After that, I researched how cosmic ray is affected by solar modulation to solve the birth of cosmic ray. Nagano is a region richly endowed with nature and I used to go to mountains to see stars while studying and researching. As I advanced my research, I wanted to research more deeply. I found a graduate school in Nagoya which focuses on the series of research leading up to researching from developing observation equipment. I went to the graduate school and I belonged to the laboratory which researched infrared astronomy.

The History of infrared observation is still short. In 1800, a British astronomer "W. Herschel" discovered infrared rays. But those days there were not highly sensitive sensors, therefore astronomers could not fully observe infrared ray over the next 100 years. In the early 1900s, universe was mainly observed with visible light with some exceptions. Because in the late 1900s a triple-digit highly sensitive sensor was developed, then we started to observe infrared ray and developed astronomy from a new point of view.

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In our laboratory, we developed infrared telescopes and researched how stars came in to the world and how galaxy evolved. Mainly I was involved in the development of the infrared telescopes and I handled support construction of optical system and elevation drive mechanism for observation with high space resolution. After designing, in order to make parts by my self I shaved aluminum using a turning machine and a milling machine and made tapped hole with a drilling machine and assembled those parts and conducted evaluation tests. We made efforts step by step with repeated failures. I remember that we were happy by completing one by one. The Development of infrared telescopes was taken over by our junior fellows. It is going to be completed soon therefore I am looking forward to hearing good news.

In my first year of the graduate school, I wanted to continue some more researches. But for the next step, I became to want to challenge something new on the universe field and I decided to get a job. With carrier service website I was searching a job on universe field and I found the former JSAT. In the company information session, I was attracted by the junior staff working fleshly and attractive service of satellite communication I did not know. I told the interviewer what was on my mind in the interview. I remember that I was very happy when I got an official job offer after that.

Although I was in the universe field, satellite communication field was unknown world for me. When I was a new recruit, I was confused by a lot of things to learn and I have caused many troubles until now. Thanks to bosses and seniors,



▲ The member who joined this company in the same year and an antenna



▲ Repair of an antenna with seniors

I have come to find what is important and what should be done so that our customers use gladly the satellite communication services.

We provide stably-better 24 hours service everyday. For example, we conduct planning and upgrading of operation manuals, reflecting customers' needs, running the customer service department and troubleshooting. Because we deal with machines and humans operate machines, there is a sense of tension that we do not know what happens on the job site. We accumulate operational know-how and pursue the way to prevent failures. We do not miss any alarms that announce in advance failures so that our customers can use satellite communication services without any anxiety.

Even if failures occur, we think what to do for customers and priority and we act responsibly. When I witness failures, I feel impatient and worried. When I was a new recruit, I depended on my bosses and seniors all the time and I could not do anything, so I deeply felt vexed all the time. Although now I benefit from my bosses and seniors, I became to know what's going on and consider what to do in my way and I act. You know that if we mistake a button to push and a cable to unplug, our service will be interrupted. I work having a sense of a tension every day.

On the job site, we are so glad to hear voices of customers face-to-face. When we hear a word of thanks from a customer, we are happy and make up our mind to work harder.

Although I have a lot of reflection everyday, this is my third year as a member of the society. Learning behaviors of my bosses and seniors, I want to do what can be done by only me with originality. We use the merit of satellite communication and provide various services that only this company can do. Therefore I want to grade up everything concerning my job. ■