

Next Stage : Space



The technology of Kajima Corporation is now reaching for the moon. Joint research and development between Kajima and JAXA began in 2016. The purpose of the joint project is to develop an unmanned remote construction system for constructing space bases in locations as distant as the moon or Mars. In order to construct under the harsh conditions of outer space, only the machine goes into space. This will enable construction in space by remote control from Earth and the automatic operation of the construction machine. It is no longer just a fantasy to finish a space base on the moon, or even farther on Mars, by the mid-century. This is because there is technology that has already been put into practical use here on Earth. Kajima's next generation construction system "A⁴CSEL" allows a human to send instructions via tablet terminal to multiple construction machines that operate automatically.

Technology that was born to enable work at a dangerous site where humans cannot go and to solve the serious shortage of workers at the construction site future is opening up the possibilities of utilization in the space. All construction sites will eventually become automated. Therefore, it is not surprising that the next stage may be in space. Kajima can see the next worksite as the company gazes at the stars.

