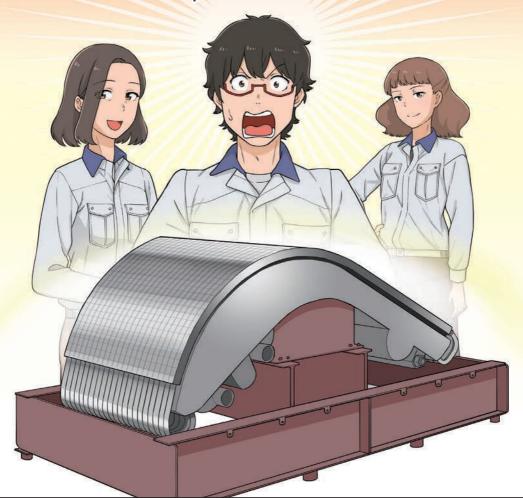


Vol.6 ~ The Spirit of Monozukuri: Divertor ~



CHARACTERS



TAIYO TENNO

New recruit at QST (National Institutes for Quantum Science and Technology), the Japanese Domestic Agency of the ITER project. He is on a whirlwind tour of the ITER-related facilities at QST's Naka Fusion Institute.



MIRAI MITSUHASHI

Veteran QST staff member. She is in charge of leading the tour of QST facilities for new hires.



MAKO KAWAI

Researcher at QST, responsible for the development of the components for ITER's divertor.



Group leader ŌHATA

Researcher at QST and a kind-hearted boss.



Company M

In charge of manufacturing the divertor.



Company Y

Specializing in metal alloys and tasked with manufacturing the copper piping.



Company A

Tasked with preparing the tungsten materials.

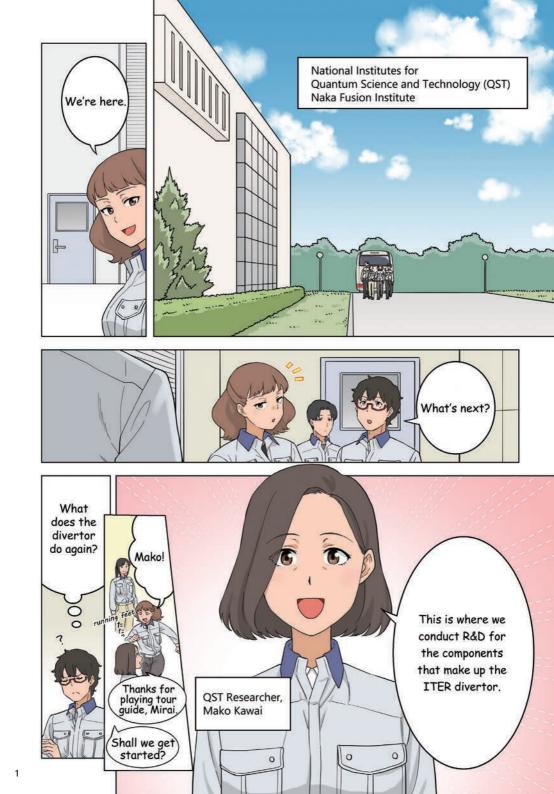


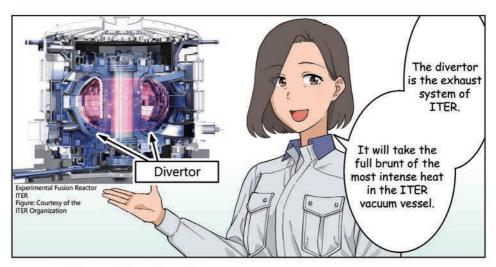
Company N

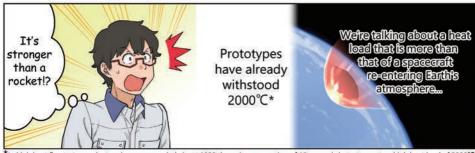
Tasked with the tungsten bonding process.

Our story so far...

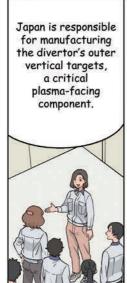
Our protagonist, Taiyo, who met Soléane when he was a student and ever since became fascinated with ITER, has graduated from university and is now an administrative staff member at QST. He is taking part in a tour of QST's Naka Fusion Institute as part of his training for new hires, led by QST veteran staff member, Mirai. In the previous issue, we learned about the "gyrotrons," one of the systems used to heat the plasma in ITER. In this issue, we will visit the R&D facility for the "divertor," a system that is essential for maintaining the plasma in ITER.

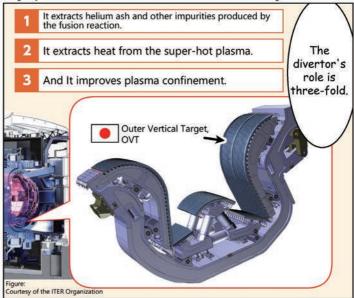




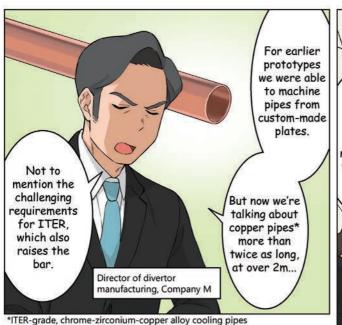


*In high heat flux tests, an electron beam gun cycled about 1000 times, in a succession of 10-second shots, to create a high heat load of 2000°C









We asked every manufacturer we could think of, both domestic and foreign. There's no one else to turn to.





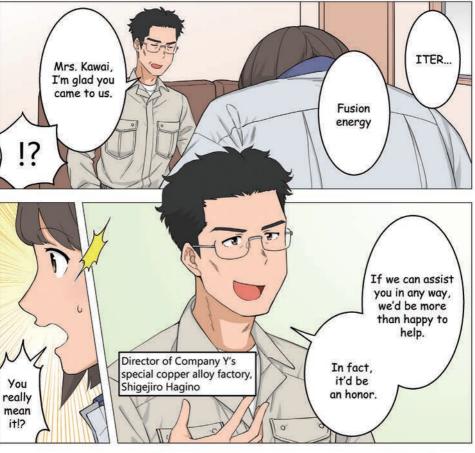




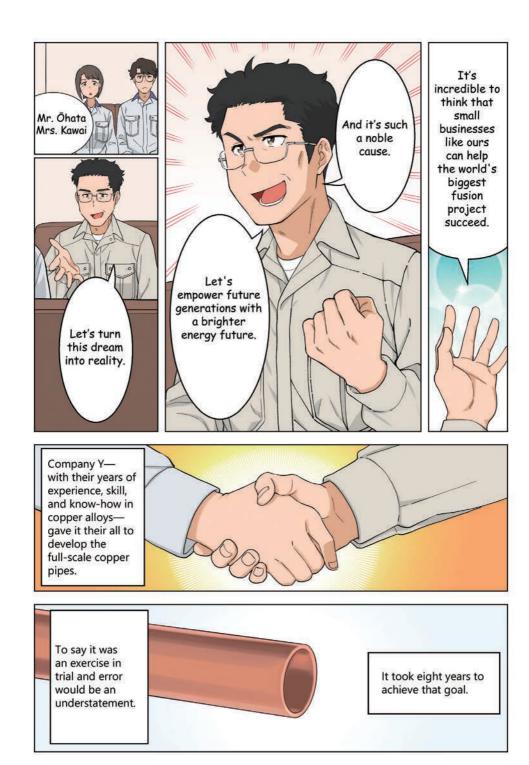


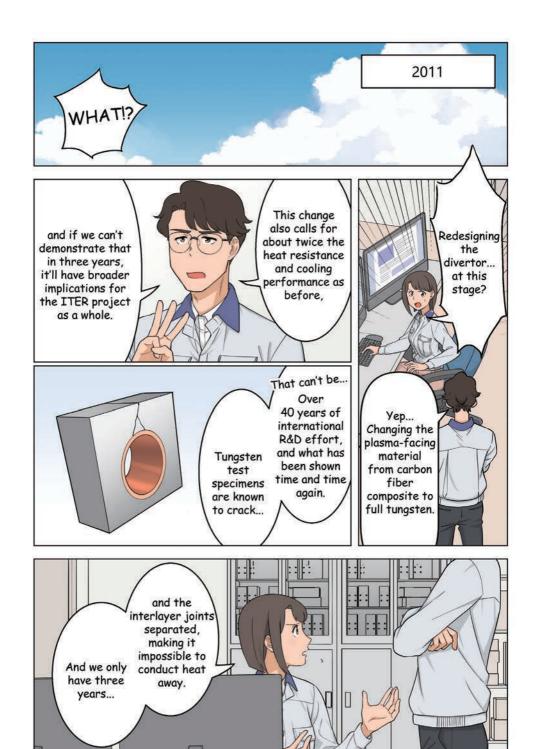












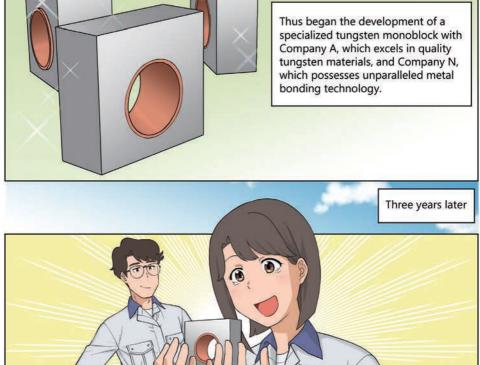






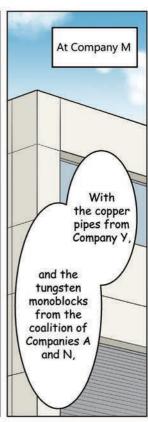


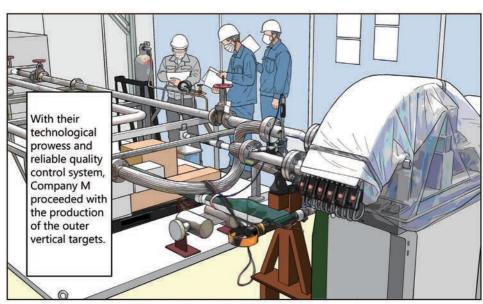


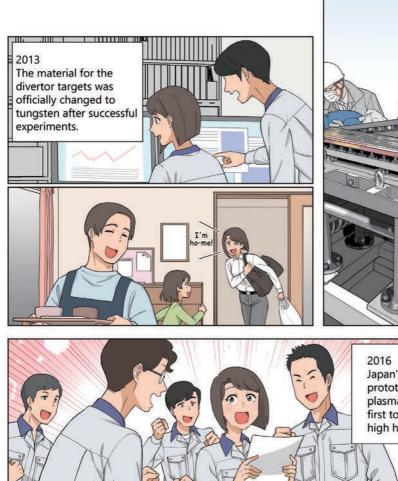


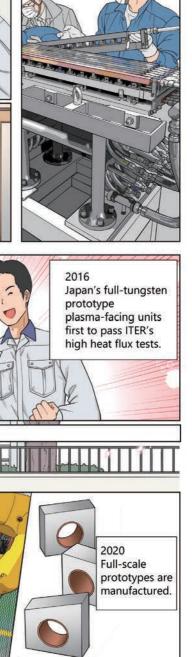


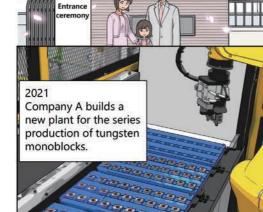


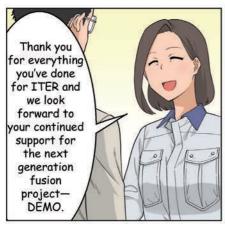




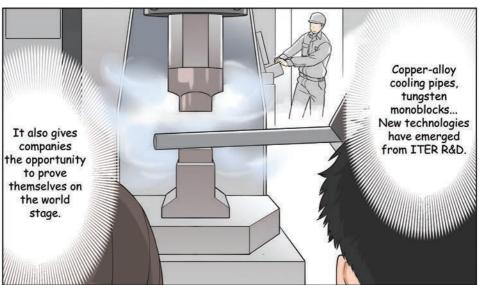




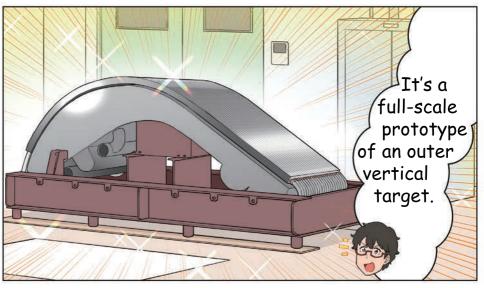








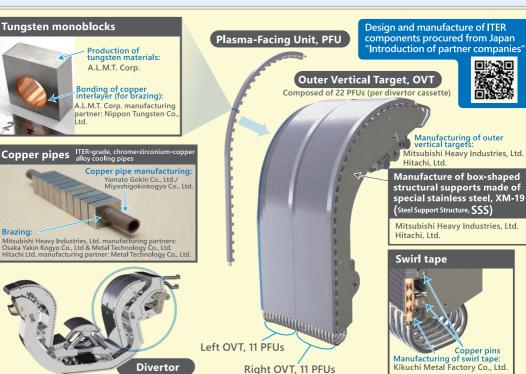














A small Sun on Earth ITER ~ Vol.6 ~

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National Institutes for Quantum Science and Technology Naka Institute for Fusion Science and Technology

801-1 Mukoyama, Naka-shi, Ibaraki 311-0193 Japan

[Web] https://www.qst.go.jp/site/quantenergy/ [Tel] +81-(0)29-270-7213



ITER Japan Domestic Agency

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