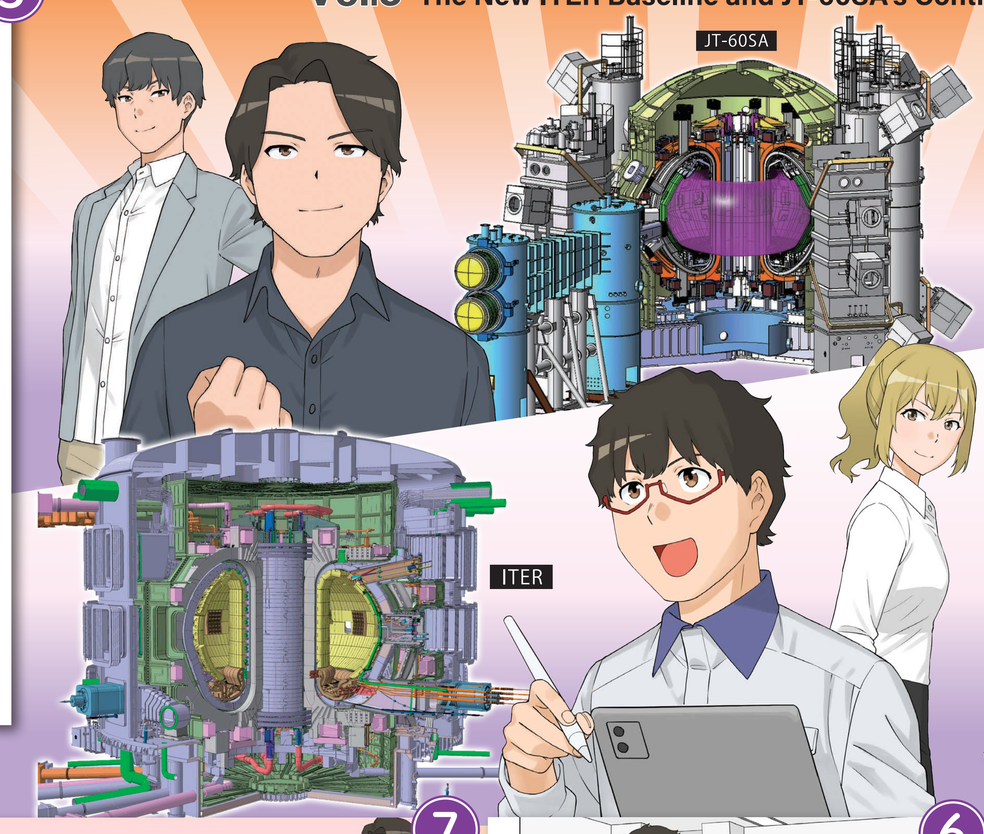
National Institutes for Quantum Science and Technology
Naka Institute for Fusion Science and Technology

ITER Japan Domestic Agency

A small Sun on Earth
ITER (イーター)

Vol.8 The New ITER Baseline and JT-60SA's Contributions



CHARACTERS

TAIYO TENNO
Interested in fusion since his days as a student, he's now a staff member at QST (National Institutes for Quantum Science and Technology), the Japanese Domestic Agency of the ITER project.

HYUGA MIYAZAKI
Junior researcher studying plasma physics at JT-60SA and a work friend of Taiyo's.
Despite his reserved demeanor, he is a deeply compassionate person who dreams of conducting research at ITER.

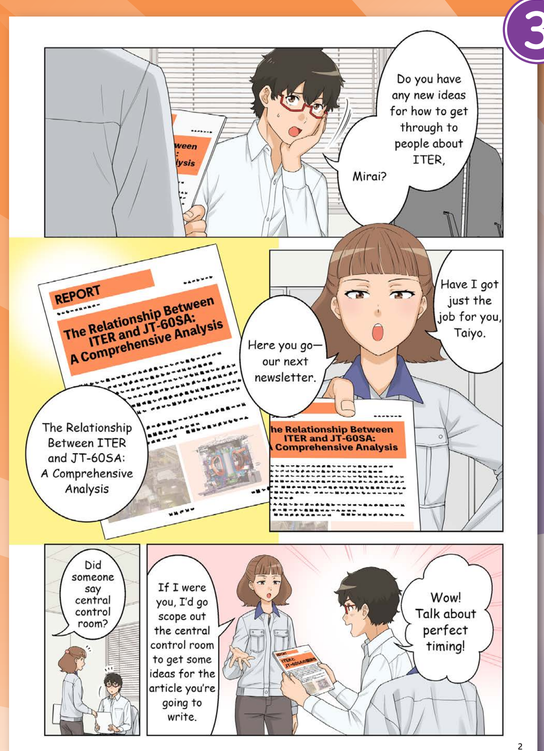
SUSUMU YAMATO
An expert in the field of procurement, he oversaw the JT-60SA components from their design to assembly.
He is also involved in procuring components for ITER.

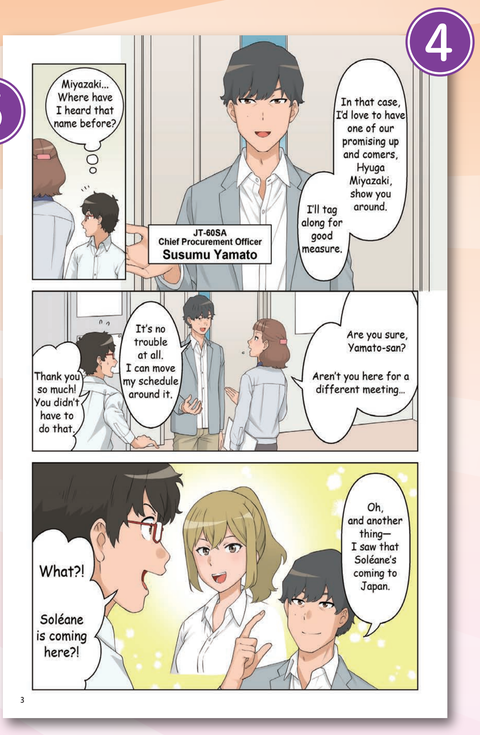
SOLÉANE
A French researcher at ITER in Saint-Paul-lez-Durance, currently living in Aix-en-Provence.
She introduced Taiyo to the ITER project.

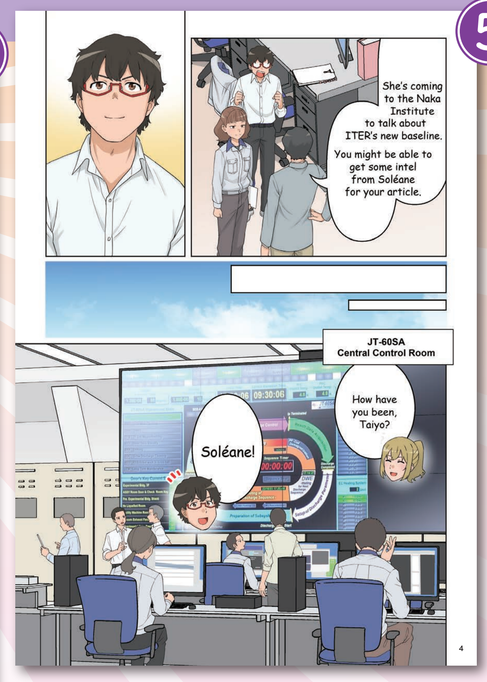
MIRAI MITSUHASHI
Administrative staff at QST,
the Japanese Domestic Agency of the ITER project.

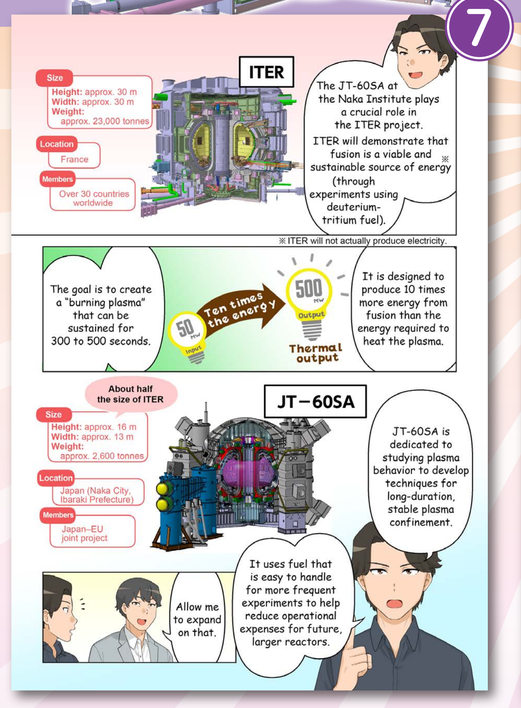
Our story so far…

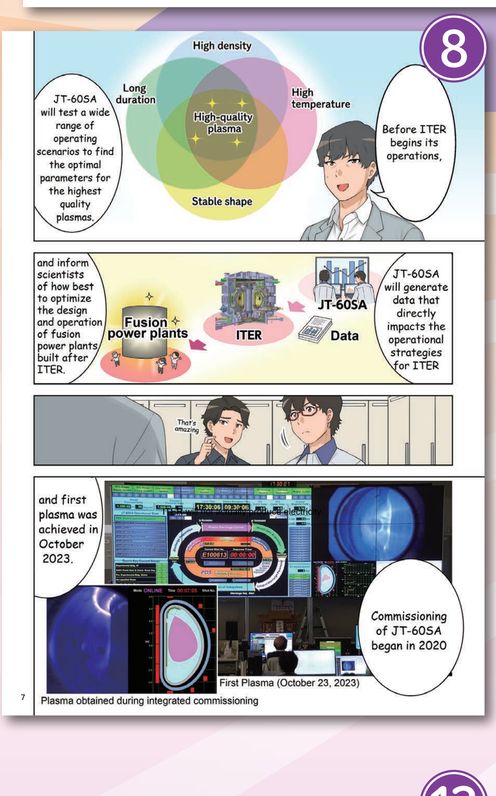
Now an administrative staff member at QST's Naka Institute for Fusion Science and Technology (Naka Institute), Taiyo has been getting up to speed on the various components Japan supplies for the ITER project through on-site tours led by his senior colleague Mirai. So far he has learned about the TF coils, gyrotrons, and divertor.
In this episode, Taiyo learns about the connection between ITER and JT-60SA, the advanced superconducting tokamak at the Naka Institute, as well as ITER's new baseline.

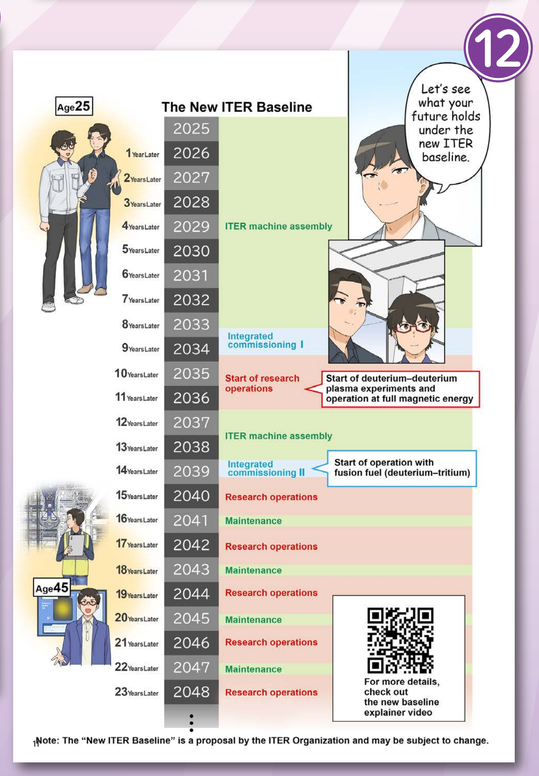


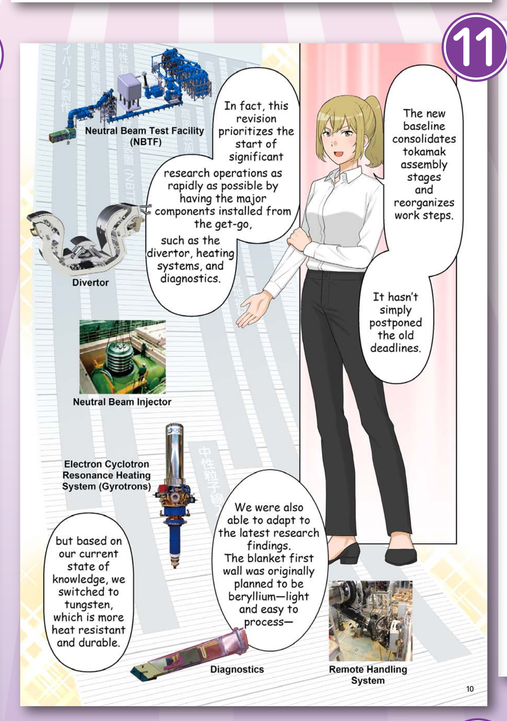


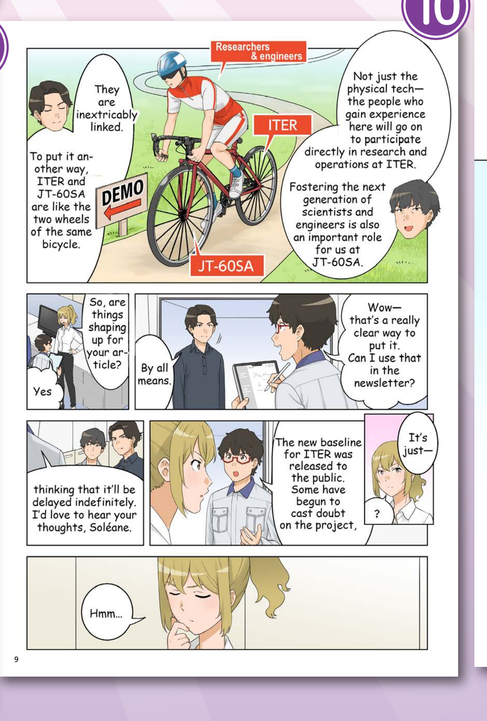


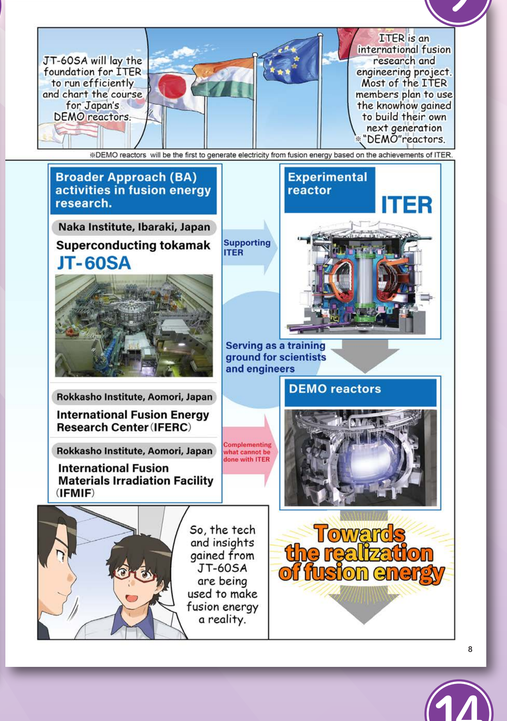


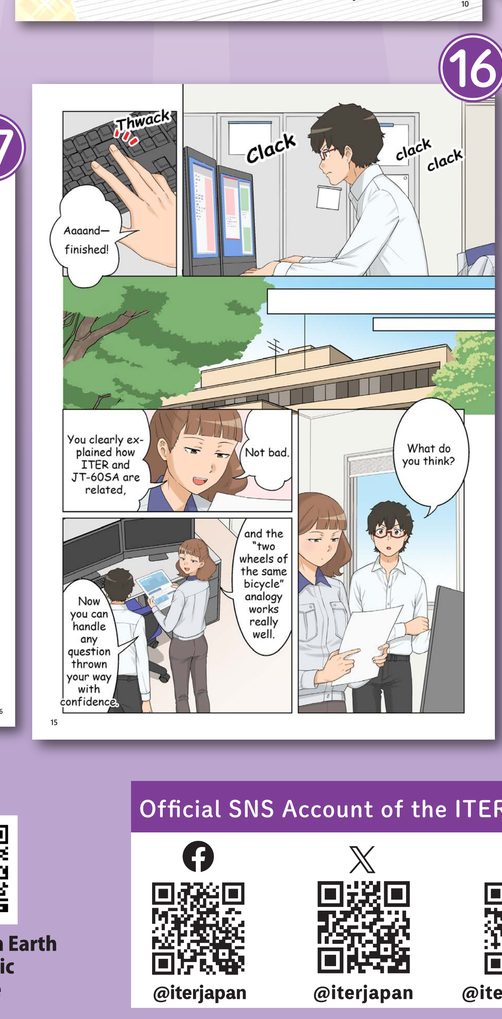


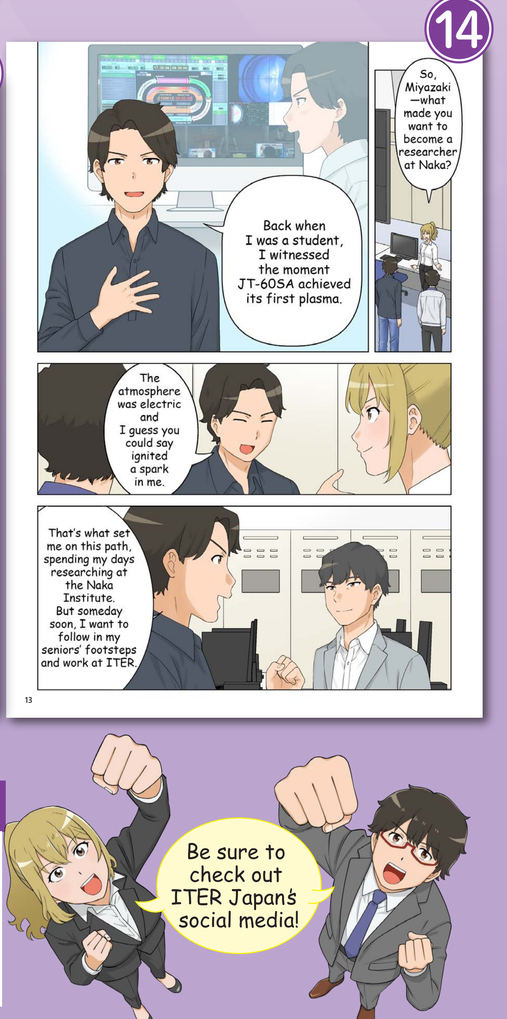












The Naka Institute is forging ahead towards the realization of fusion energy. At the heart of our R&D activities are the ITER Project and the JT-60SA Project.

Officially the "Naka Institute for Fusion Science and Technology," it is one of several institutes of QST, the "National Institutes for Quantum Science and Technology." The Naka Institute is a leader in the field of quantum energy and conducts R&D to produce fusion energy, i.e., energy generated by fusion reactions.

Web

Superconducting tokamak JT-60SA

JT-60SA is a joint Japan–EU project. Its development, procurement of components, and construction were carried out collaboratively by Japan and Europe. To acquire the technologies required for ITER and future prototype reactors, researchers from around the world gather here.

ITER Japan Domestic Agency

QST has been designated by the Japanese government as the ITER Japan Domestic Agency (JADA). In this role, QST procures key components for ITER, such as the superconducting coils, and delivers them to the ITER site in France. But it's not just equipment that is sent to France; QST actively recruits skilled Japanese personnel to work at the ITER Organization to contribute to the ITER project.

ITER Japan Web

A small Sun on Earth ITER Comic QR code

Official SNS Account of the ITER Japan Domestic Agency

@iterjapan (Facebook) @iterjapan (X) @iterjapan_qst (Instagram) @iterjapanQST (YouTube)

JT-60SA

@NakaQst (X)