**MODULE FOR INTERNATIONAL SPACE STATION**

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**INTRODUCTION**

The International Space Station is a large spacecraft in orbit around Earth. It serves as a home where crews of astronauts and cosmonauts live. The space station is also a unique science laboratory. Several nations worked together to build and use the space station

TO BE CONTINUED………..

**QUICK FACTS**

* 230 individuals from 18 countries [have visited](https://www.nasa.gov/feature/visitors-to-the-station-by-country) the International Space Station
* The living and working space in the station is larger than a six-bedroom house (and has six sleeping quarters, two bathrooms, a gym, and a 360-degree view bay window).
* An [international crew](http://www.nasa.gov/mission_pages/station/expeditions/index.html) of six people live and work while traveling at a speed of five miles per second, orbiting Earth about every 90 minutes.
* In 24 hours, the space station makes 16 orbits of Earth, traveling through 16 sunrises and sunsets
* To mitigate the loss of muscle and bone mass in the human body in microgravity, the astronauts work out at least two hours a day.
* Recent image of the International Space Station (Oct. 4, 2018):



Image source: <https://www.nasa.gov/sites/default/files/thumbnails/image/iss056e201248.jpg>

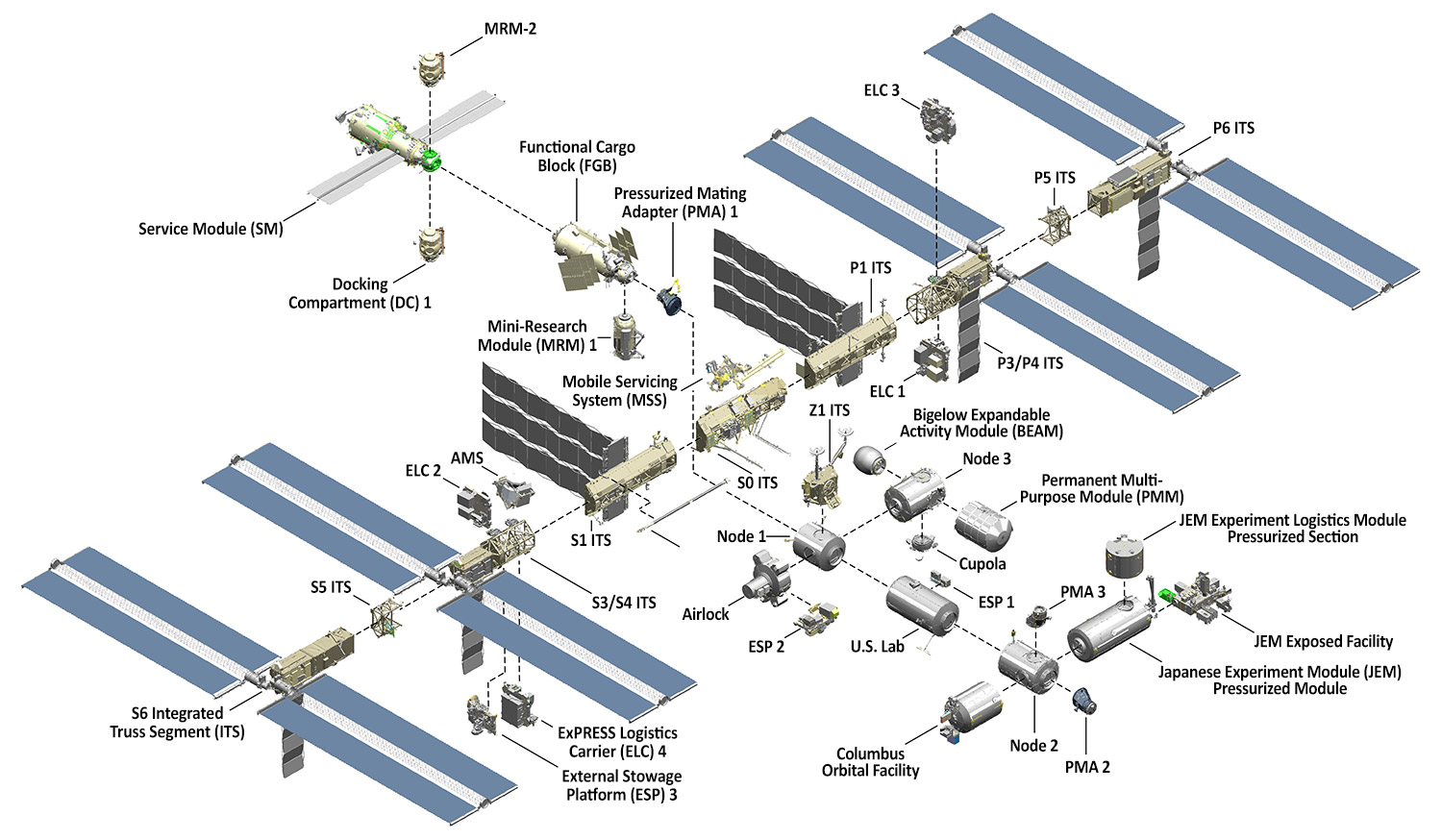
* Image, and parts of the International Space Station (ISS):

Image source: <https://www.nasa.gov/feature/facts-and-figures>

* Mission Overview of Canada Arm 2

**Technical Name:** International Space Station

**Launch Date:** November 20, 1998

**Mission:** Serves as home for astronauts, and for space research

**Ownership:** The United States, Russia, Canada, Japan, and specific countries of Europe

**Built by:** The United States (NASA), European countries (ESA), Japan (JAXA), Canada (CSA), and Russia (Roscosmos)

**Power Generation:** 8 solar arrays provide 75 to 90 kilowatts power

**Lines of Computer Code:** approximately 2.3 million

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Source: <https://www.nasa.gov/feature/facts-and-figures>

**IMAGE GALLERY**





Image Source: <https://www.nasa.gov/multimedia/imagegallery/index.html>

**REFERENCES**

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* <https://www.nasa.gov/audience/forstudents/5-8/features/nasa-knows/what-is-the-iss-58.html>
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* <https://www.esa.int/Our_Activities/Human_and_Robotic_Exploration/International_Space_Station/Building_the_International_Space_Station3>