

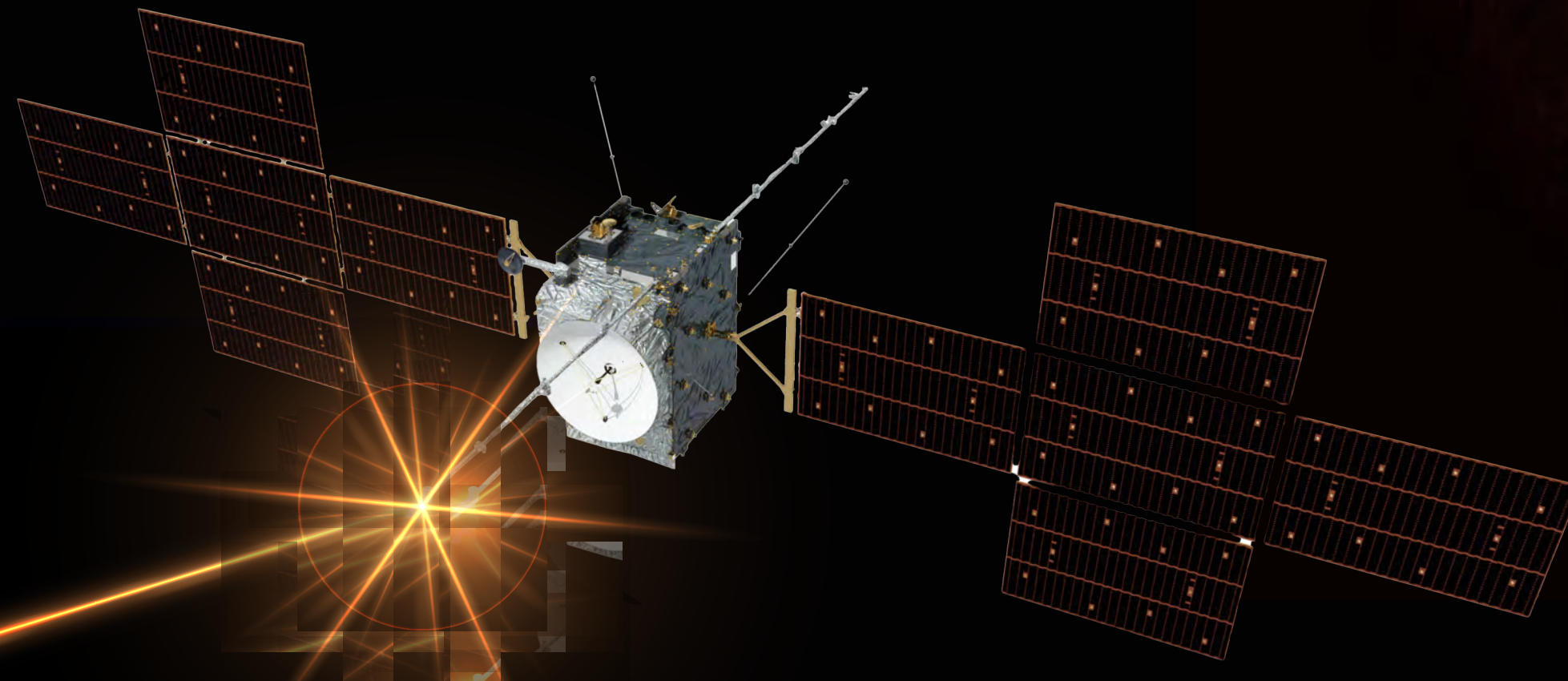
# BAE Systems technology to support European Space Agency mission to Jupiter's icy moons

The **Tracking, Telemetry and Command Processor (TTCP)** will allow the European Space Agency (Esa) to track, communicate and control the Jupiter Icy Moons Explorer, known as **Juice** on its eight year journey from Earth to **Callisto, Europa and Ganymede**

TTCP is next generation technology for ground station signal processing. It offers high precision, is extremely fast & highly flexible and is designed to support current and future missions operating in near-earth and deep-space.



TTCP can communicate with spacecraft travelling away from the Earth at up to 180,000km/h



Using stations positioned in key locations on the Earth's surface, TTCP can triangulate the position of spacecraft with an accuracy of 0.2 millionths of a degree

The system can measure the distance of a spacecraft to within 10cm anywhere in the solar system

The system can download information with data rates of up to 75 Mbps from 1.5 million km away

Digital Intelligence