

GIESEPP

Highest efficiency in every mission



The GIESEPP (Gridded Ion Engine Standardised Electric Propulsion Platform) project has been set up to develop, build and test to TRL5 the first European Plug and Play Gridded Ion Engine System to operate ArianeGroup and QinetiQ Space Ion Engines for LEO, GEO and Space Exploration Missions.

Glossary:
 EPR - *Electronic Pressure Regulator*
 EPS - *Electric Propulsion System*
 FCU - *Flow Control Unit*
 GEO - *Geostationary Orbit*
 ISP - *Specific Impulse*
 LEO - *Low Earth Orbit*
 MEO - *Medium Earth Orbit*
 NTR - *Neutralizer*
 PPU - *Power Processing Unit*
 RFG - *Radio Frequency Generator*

Gridded Ion Engine Standardised Electric Propulsion Platforms

for LEO, GEO and beyond...

UNIVERSITY OF Southampton

MARS SPACE LTD
SPACE AND PLASMA TECHNOLOGIES

AST Advanced Space Technologies GmbH

Crisa GIESEPP QINETIQ

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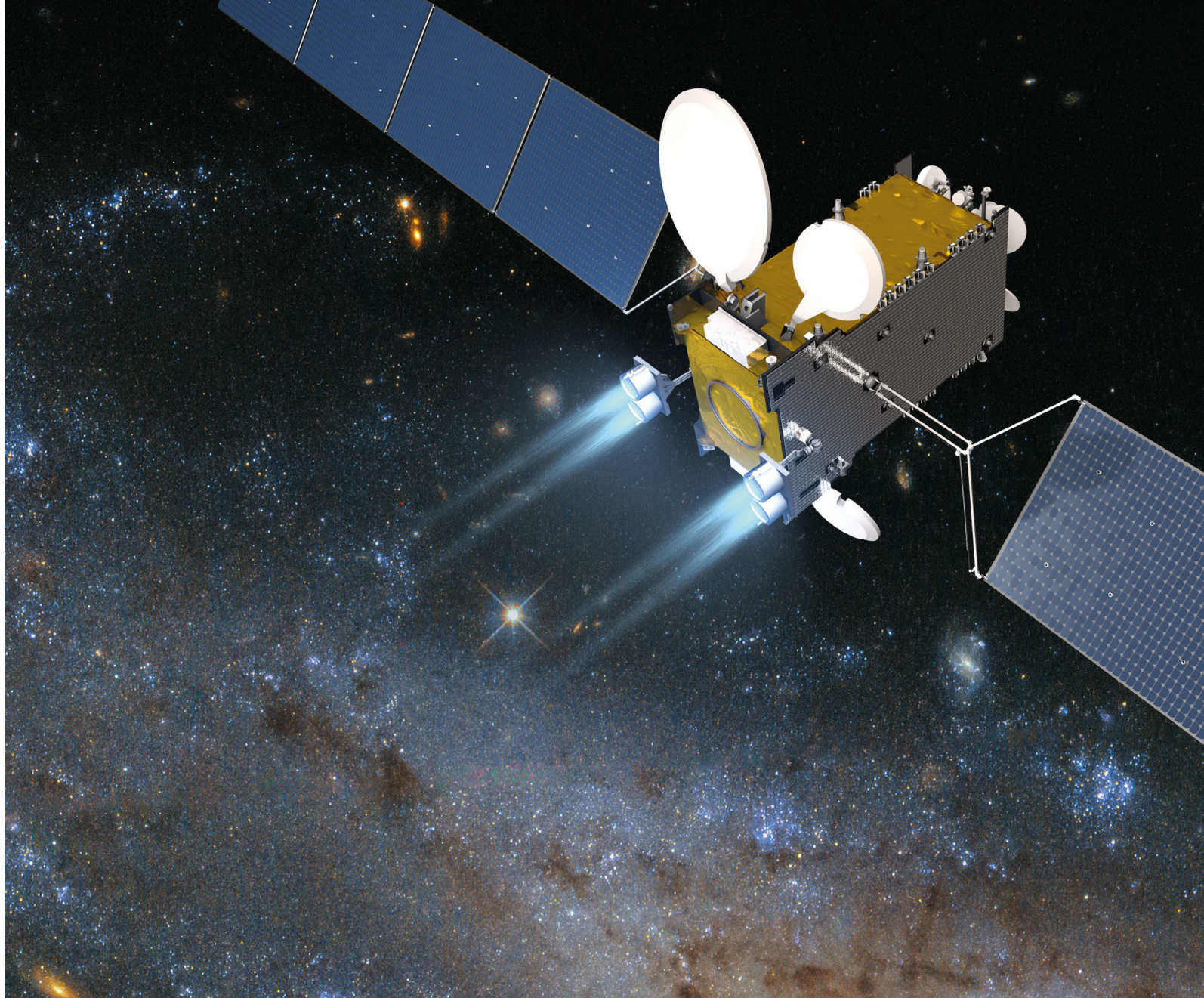
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 **GIESEPP** GRIDDED ION ENGINE STANDARDISED ELECTRIC PROPULSION PLATFORMS

PROGRAMM OVERVIEW

