



OVS

BSRF
2022

PROPRIETARY INFORMATION

ABOUT AVS

**GLOBAL SME
SET-UP IN 2006**

160 PEOPLE by 2022
HIGHLY QUALIFIED PERSONNEL
(80% MSc, MEngs and PhDs)

**€21M REVENUE in
2022**

+15.000 m² FACILITIES
ISO 9001 & EN 9100



MODELLING DETAILED-DESIGN ANALYSIS PROCUREMENT MANUFACTURING ASSEMBLY INTEGRATION TEST



PROPRIETARY INFORMATION





ADVANCED ROBOTICS · ULTRA HIGH VACUUM · MICRO-MECHANISMS · CRYOGENICS · OPTOMECHANICAL SYSTEMS · HIGH MAGNETIC FIELDS · HIGH PRECISION SYSTEMS · RADIATION ENVIRONMENTS · CRITICAL SYSTEMS .

PROPRIETARY INFORMATION

QVS

FIELDS

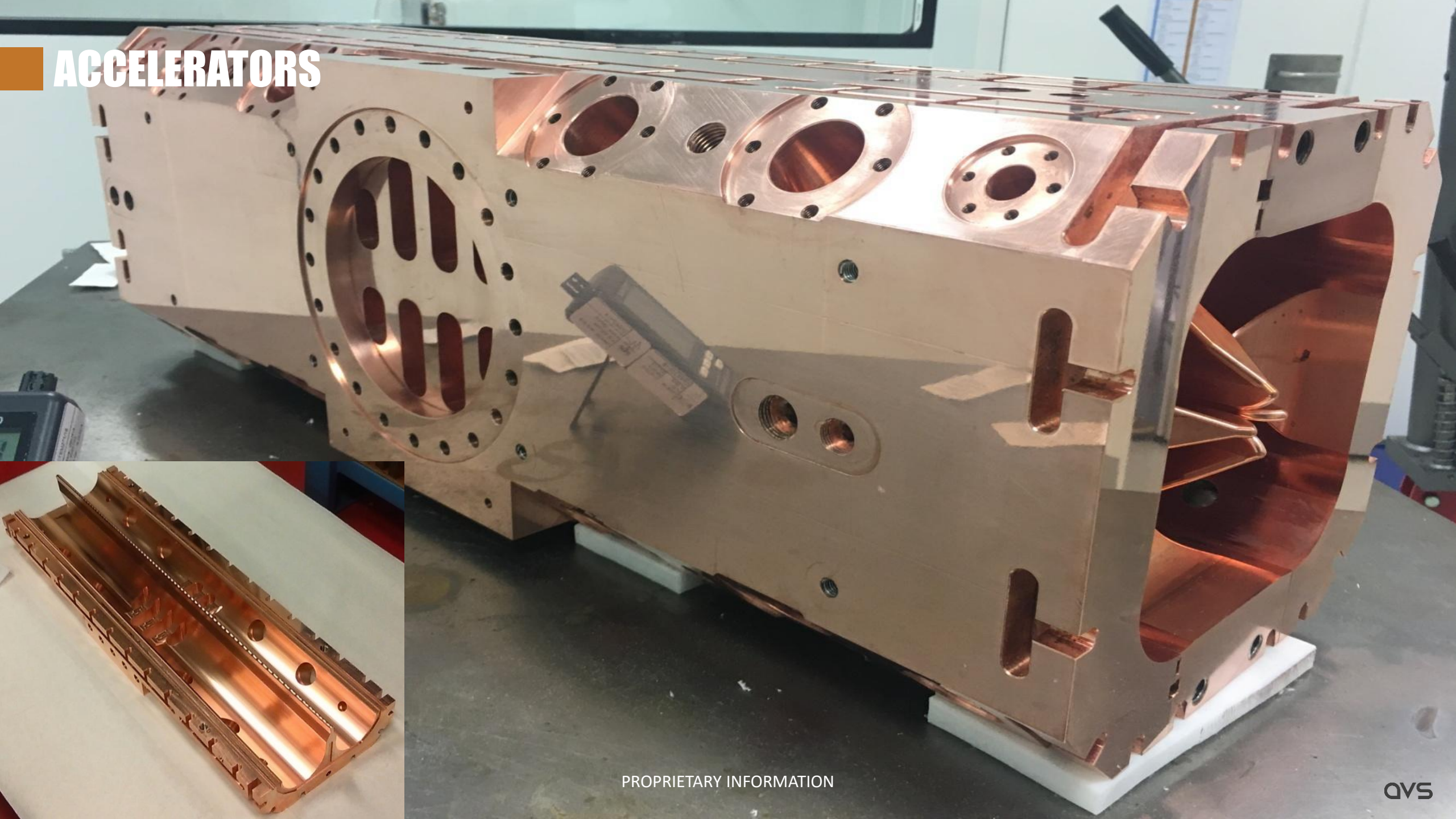
**ACCELERATORS
ASTROPHYSICS
FUSION
NEUTRON
LASER
SYNCHROTRON
SPACE**

QVS NEXT

PROPRIETARY INFORMATION

QVS

ACCELERATORS



PROPRIETARY INFORMATION

QVS

ACCELERATORS



HE-ISOLDE SHORT DECK
Serial Number: P016.090.000
Manufacturing Year: 2014
QVS CE
www.qvs.es
P.O. Box 4000, E-48940 Leizor, Spain
Tel.: +34 943 827 841

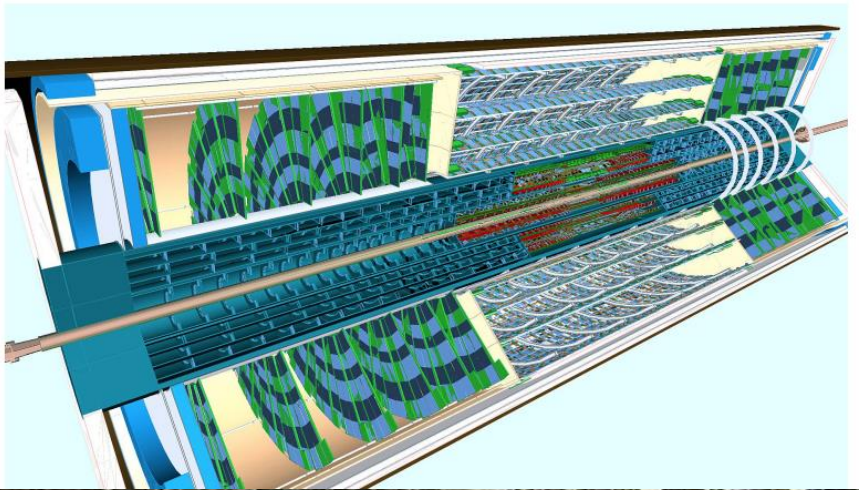
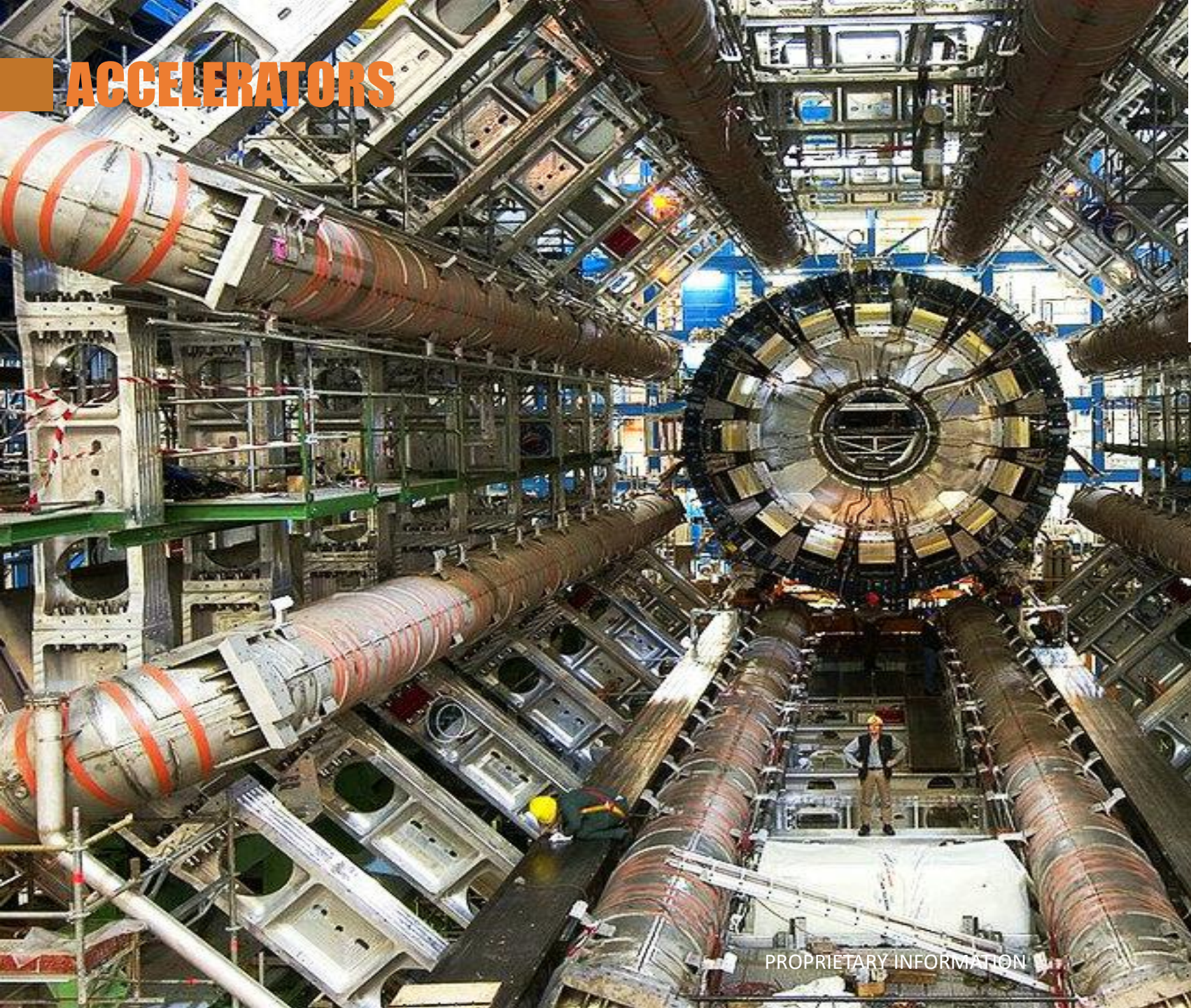
HE-ISOLDE SHORT DECK
Serial Number: P016.010.000
Manufacturing Year: 2014
QVS CE
www.qvs.es
P.O. Box 4000, E-48940 Leizor, Spain
Tel.: +34 943 827 841

HE-ISOLDE SHORT DECK
Serial Number: P016.090.000
Manufacturing Year: 2014
QVS CE
www.qvs.es
P.O. Box 4000, E-48940 Leizor, Spain
Tel.: +34 943 827 841

PROPRIETARY INFORMATION

QVS

ACCELERATORS



PROPRIETARY INFORMATION

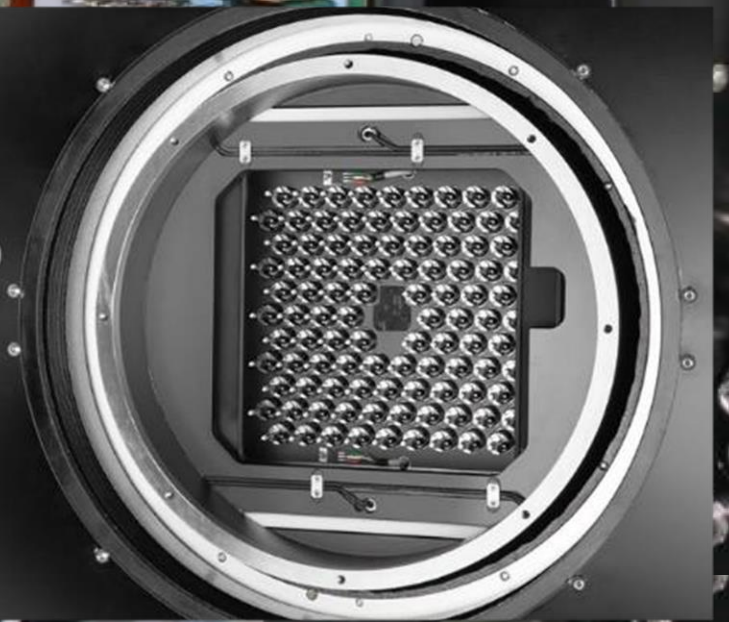
QVS

ASTROPHYSICS

QVS

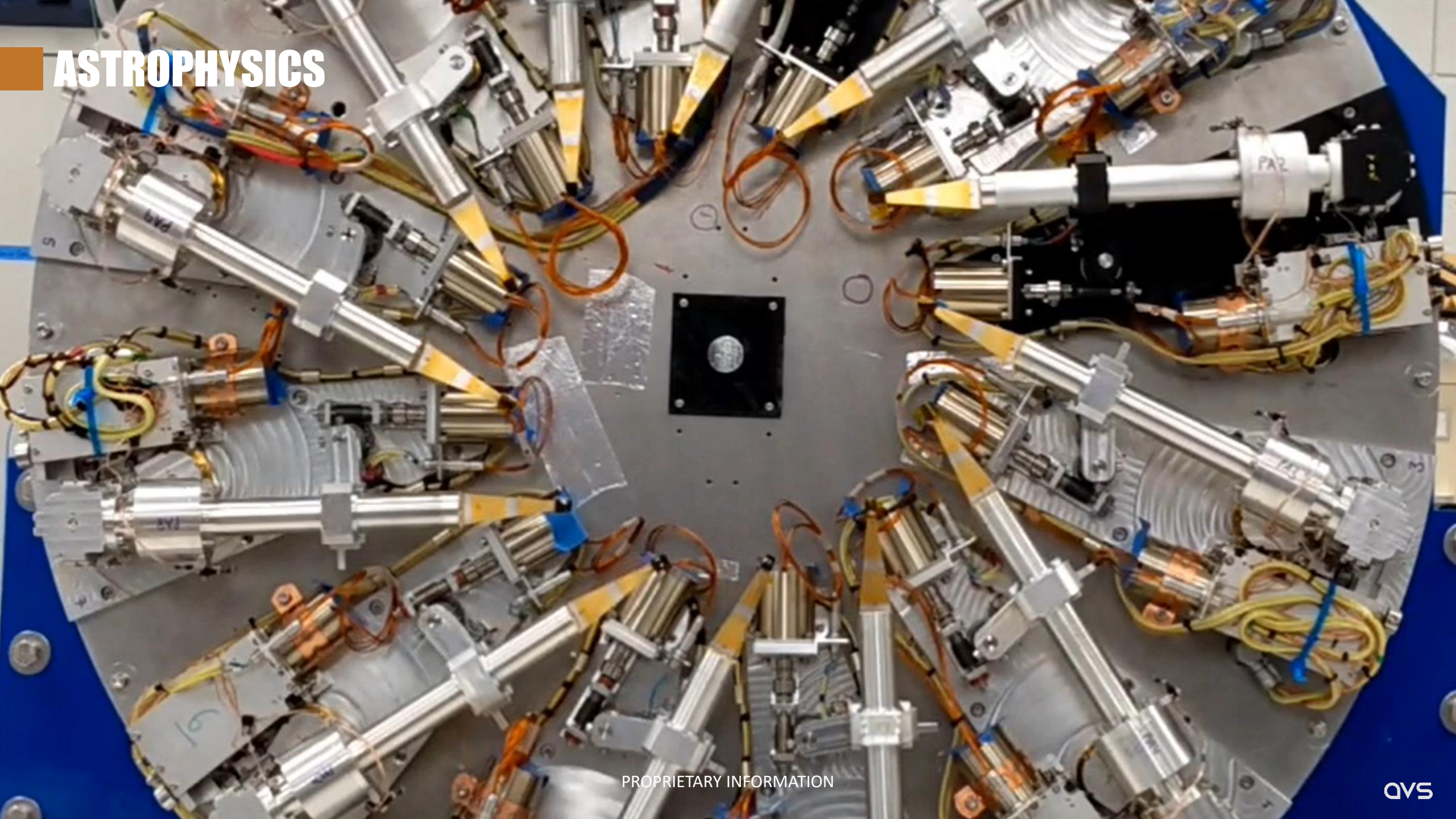
QVS
added value solutions

PROPRIETARY INFORMATION



QVS

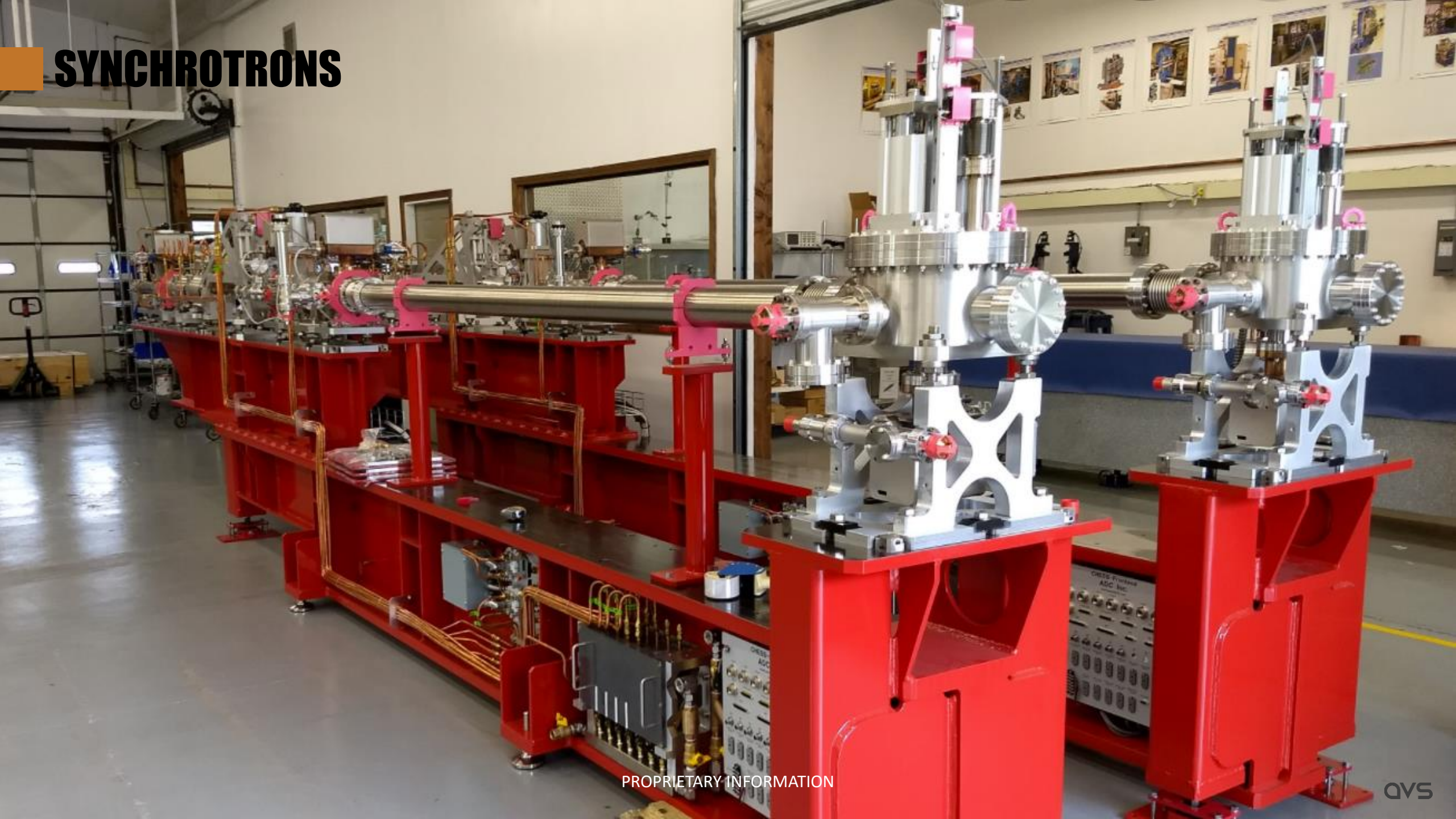
ASTROPHYSICS



PROPRIETARY INFORMATION

QVS

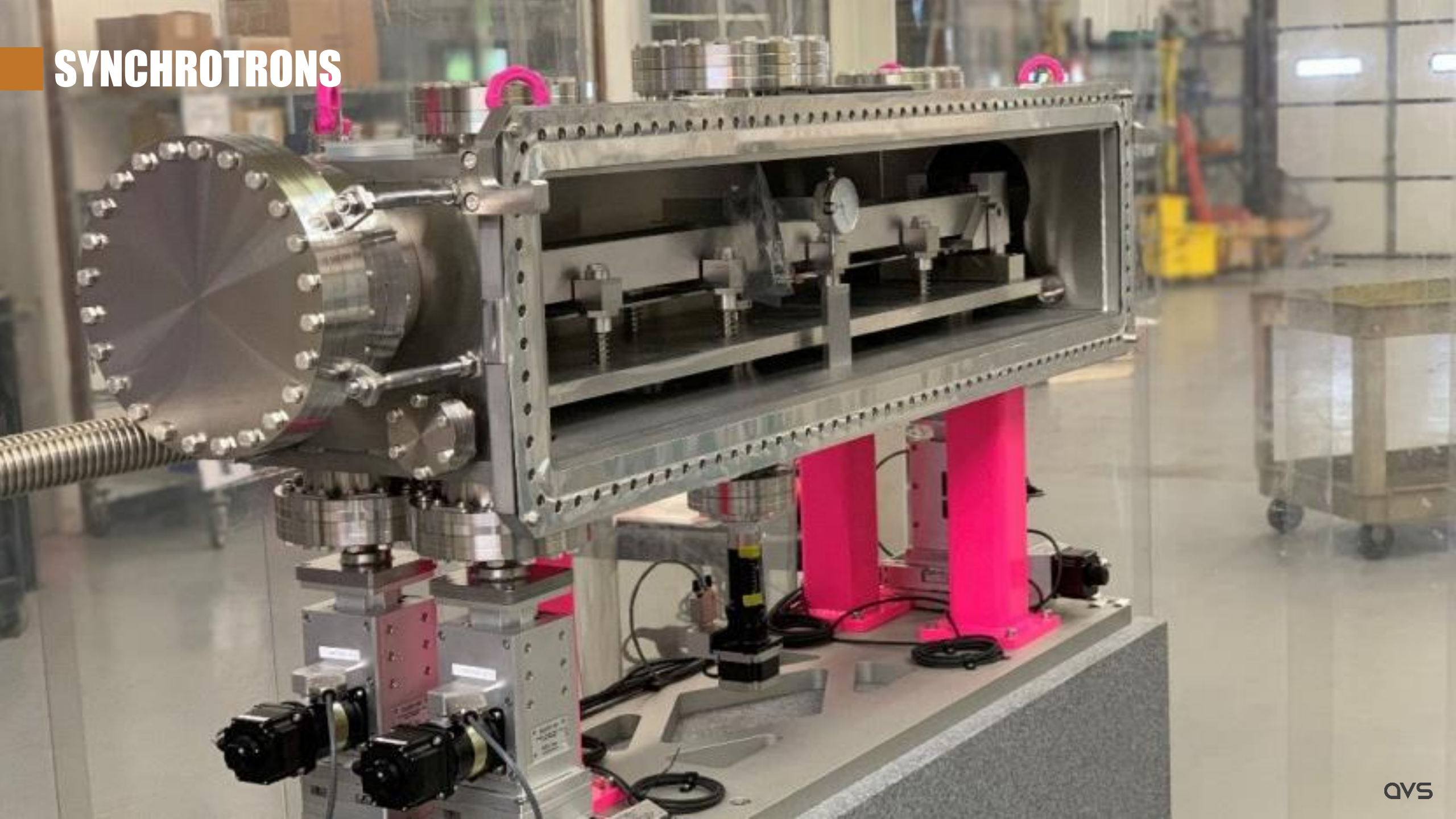
SYNCHROTRONS



PROPRIETARY INFORMATION

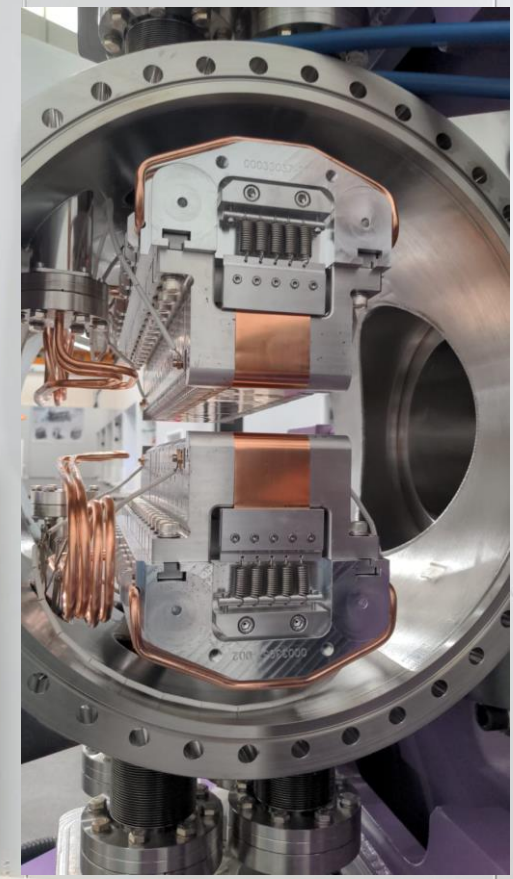
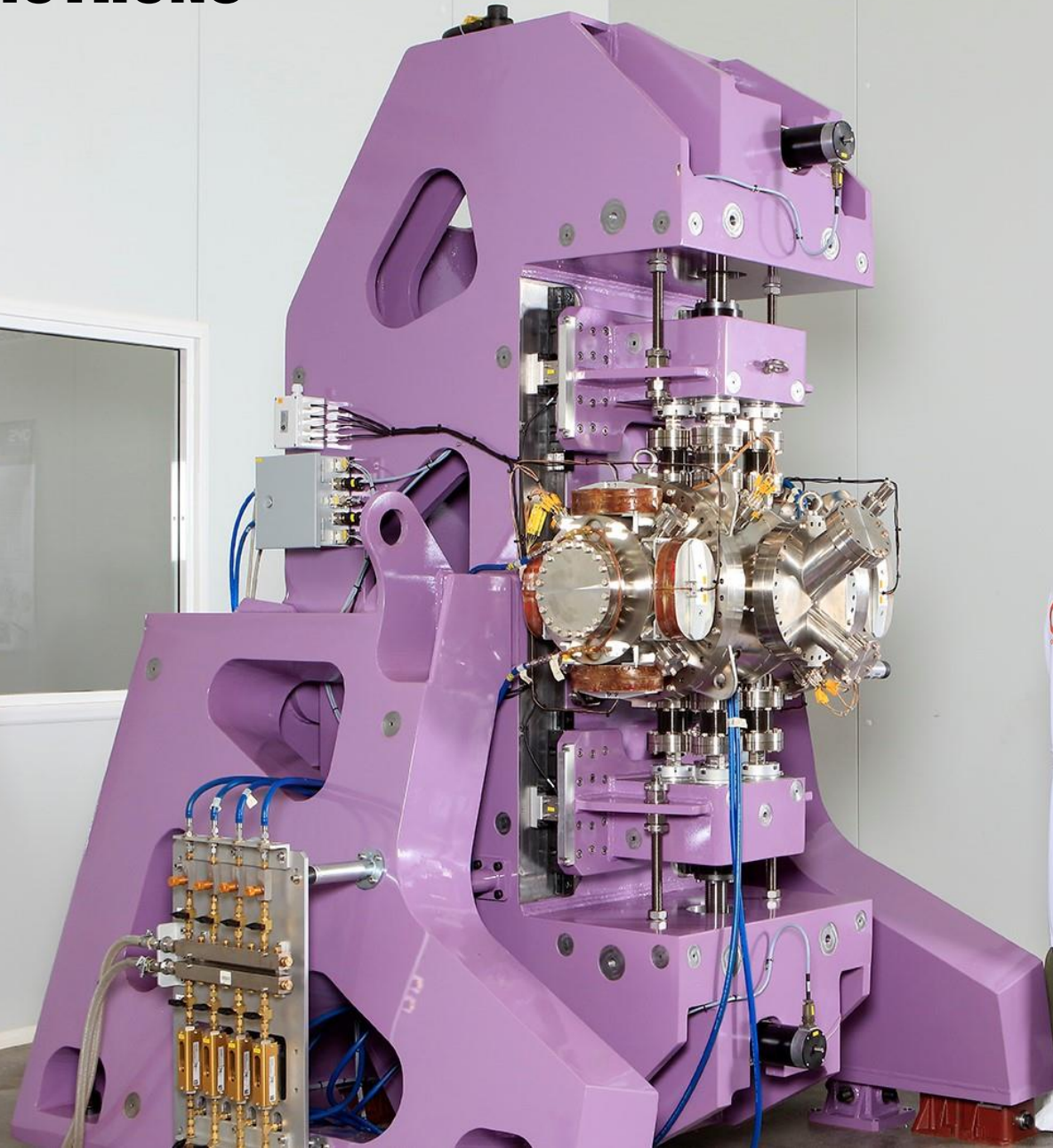
QVS

SYNCHROTRONS



SYNCHROTRONS

QVS
added value solutions



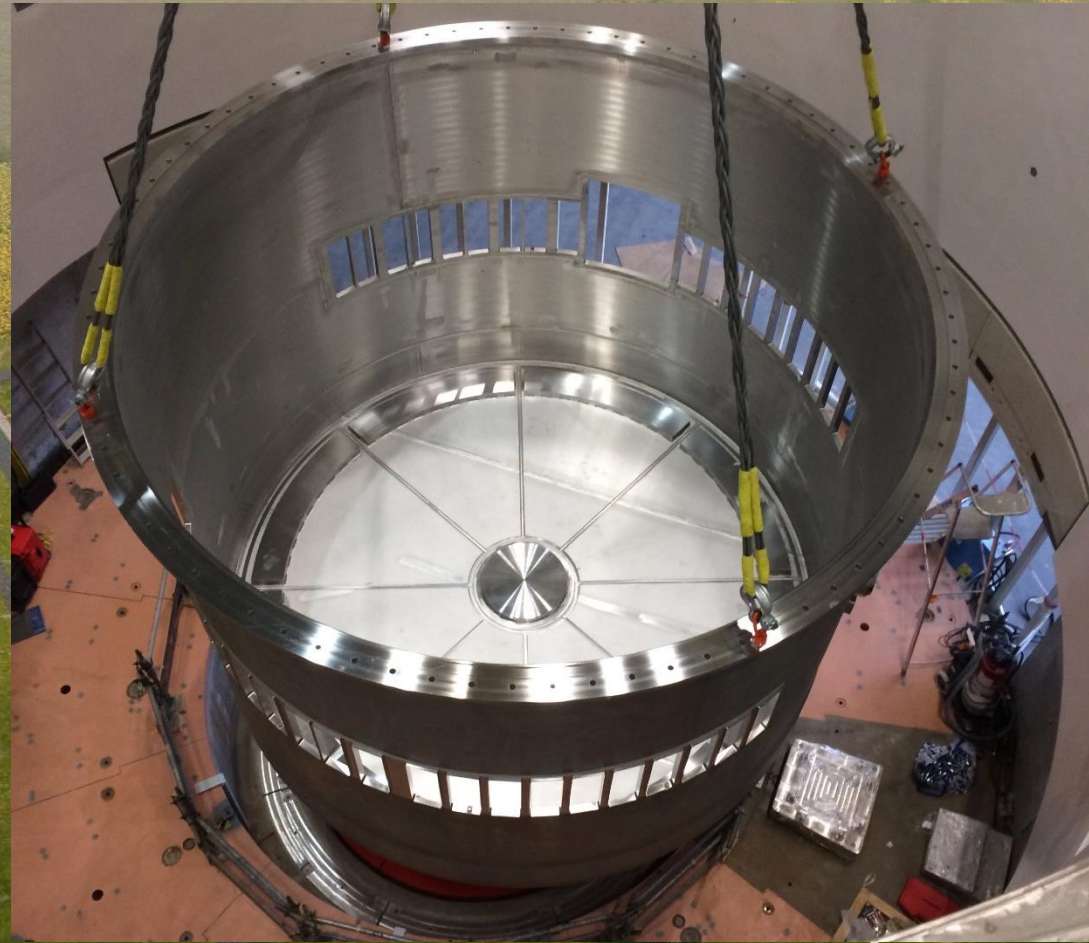
SYNCHROTRONS



SYNCHROTRONS



NEUTRONS



PROPRIETARY INFORMATION

QVS

NEUTRONS

BRIFROST
ESTIA
T-REX
SKADI
LOKI
MIRACLES
FREIA

PROPRIETARY INFORMATION

QVS
added value solutions

QVS

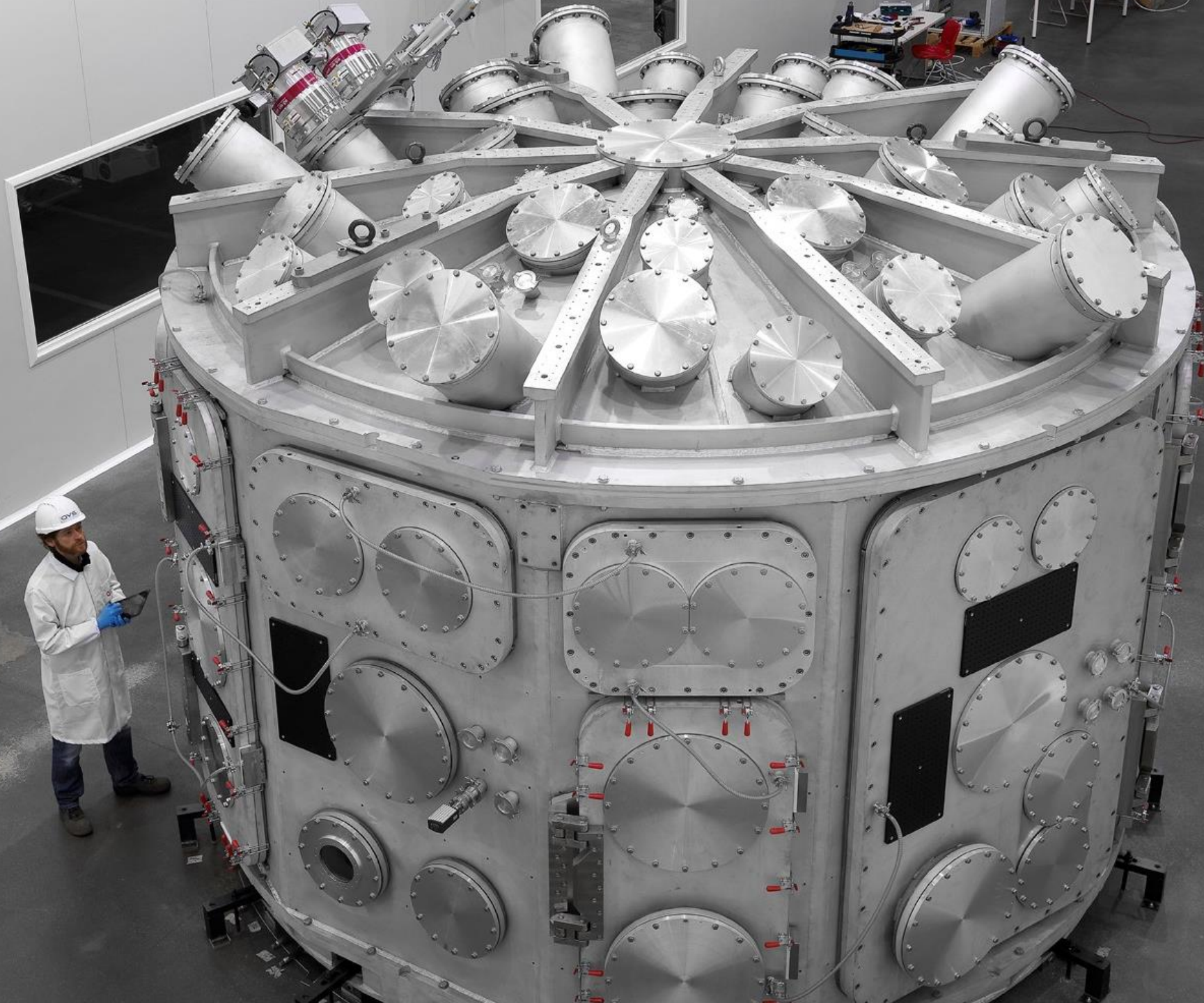


LASERS



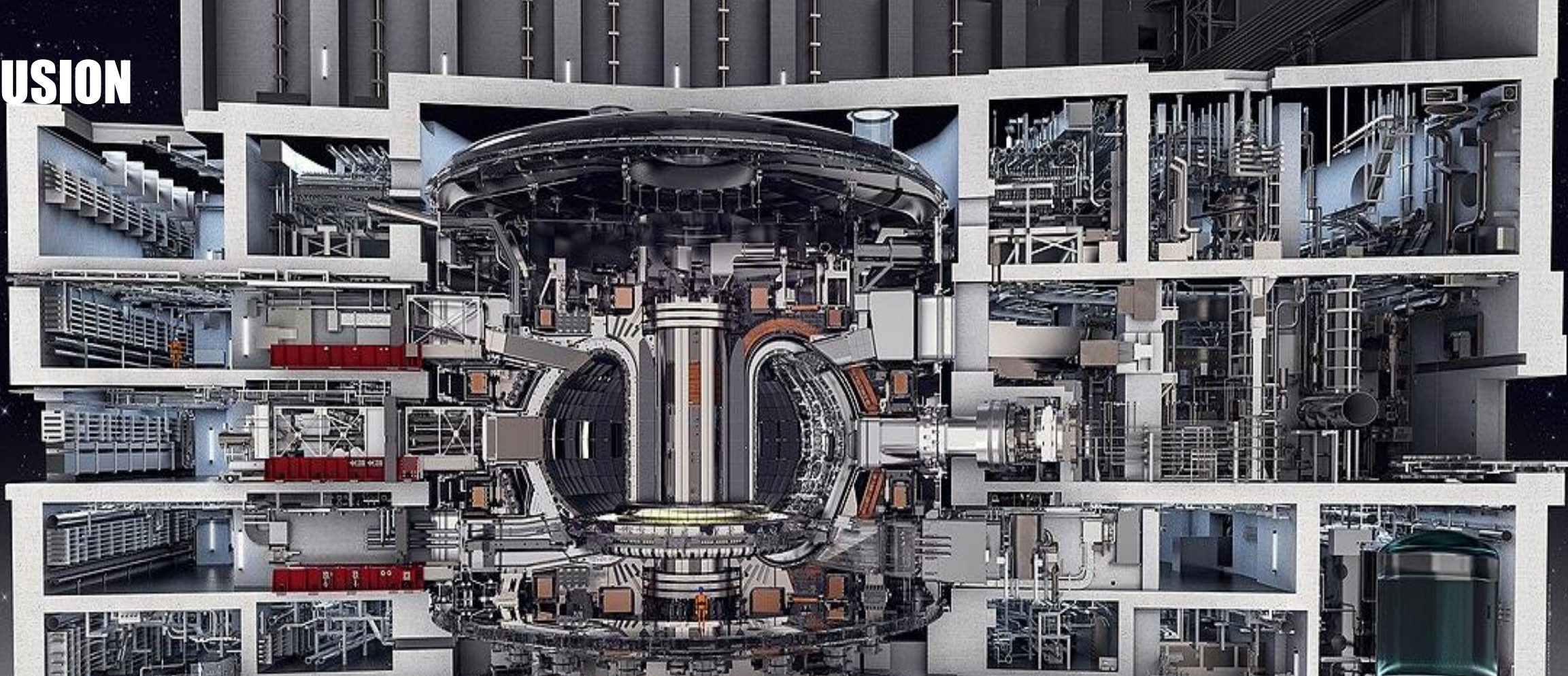
LASERS

QVS
added value solutions



QVS

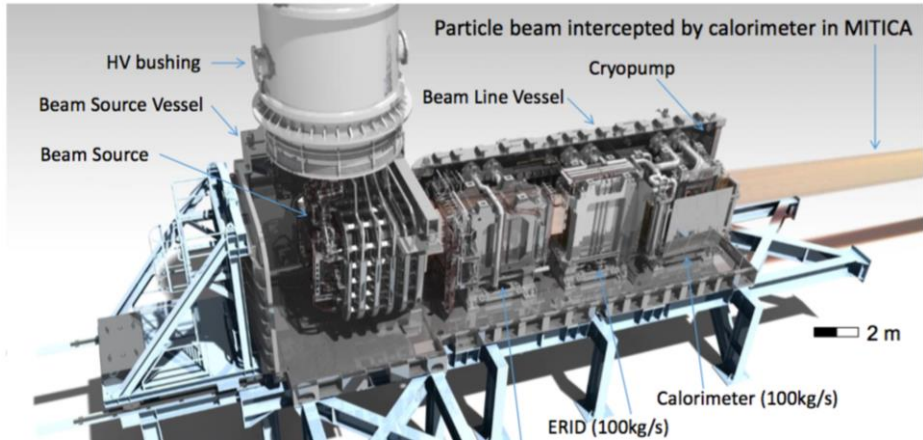
FUSION



china eu india japan korea russia usa

MOST POWERFUL NEUTRAL BEAM INJECTOR (NBI) IN THE PLANET:

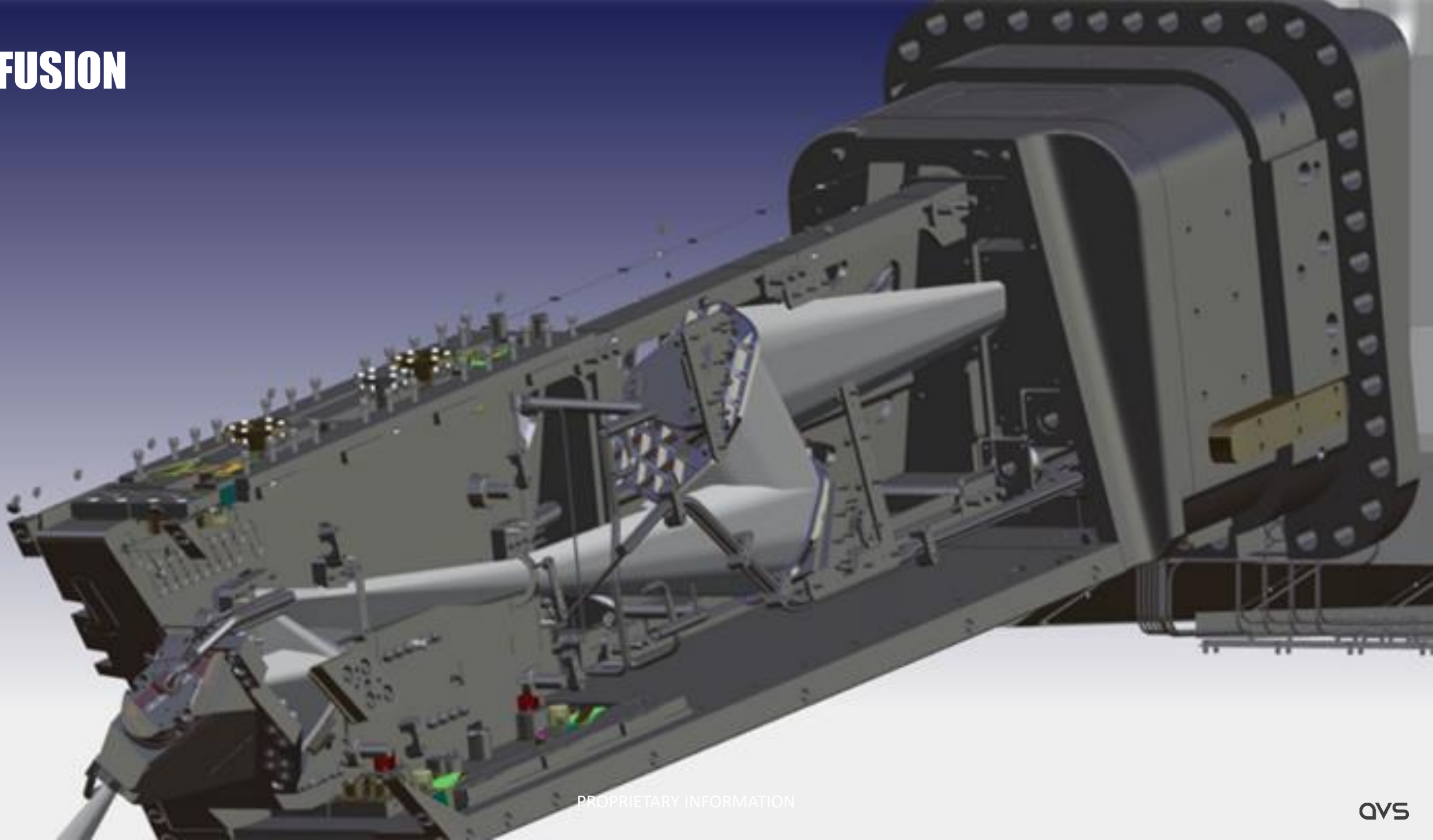
P_{beam}	17 MW
I_{acc}	40-50 A
V_{acc}	1 MV
t_{pulse}	3600 s
Weight	50 T



TOKAMAK
& PLANT SYSTEMS



FUSION



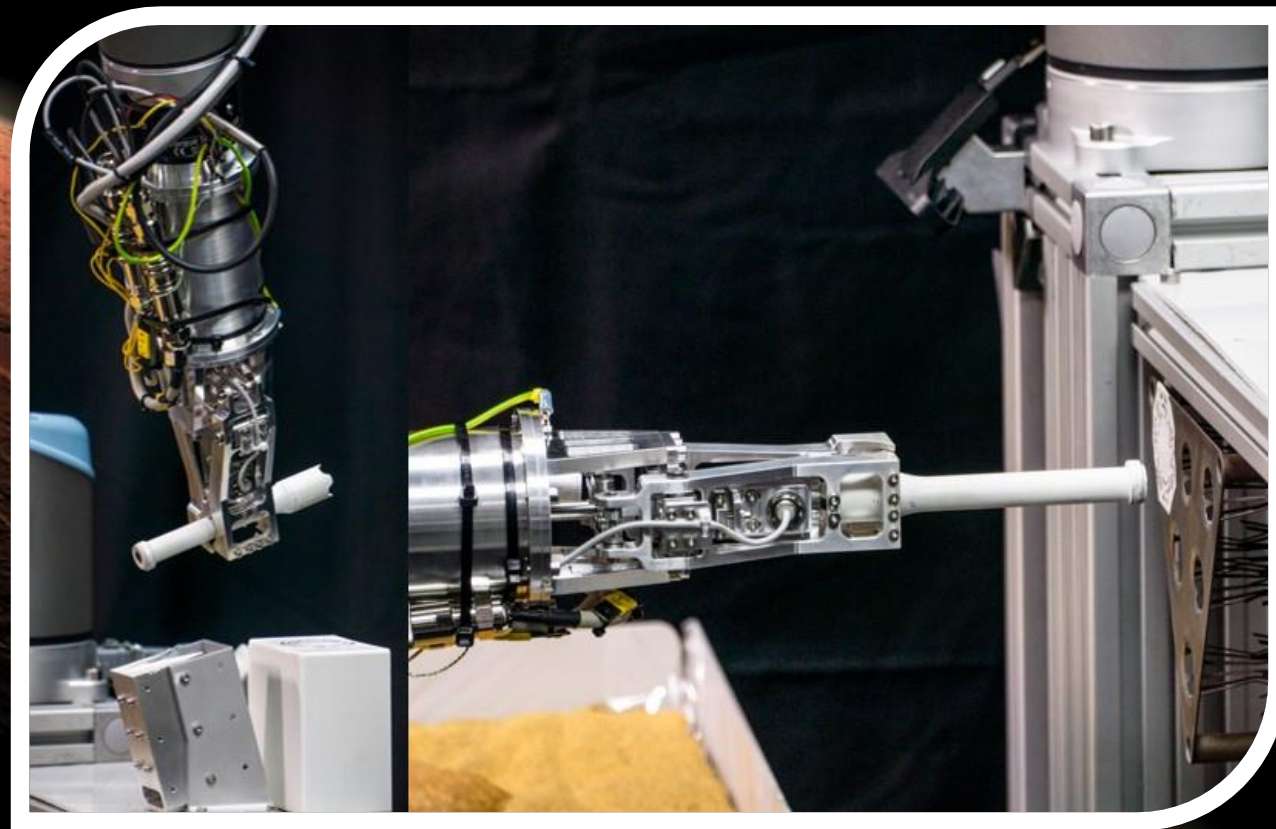
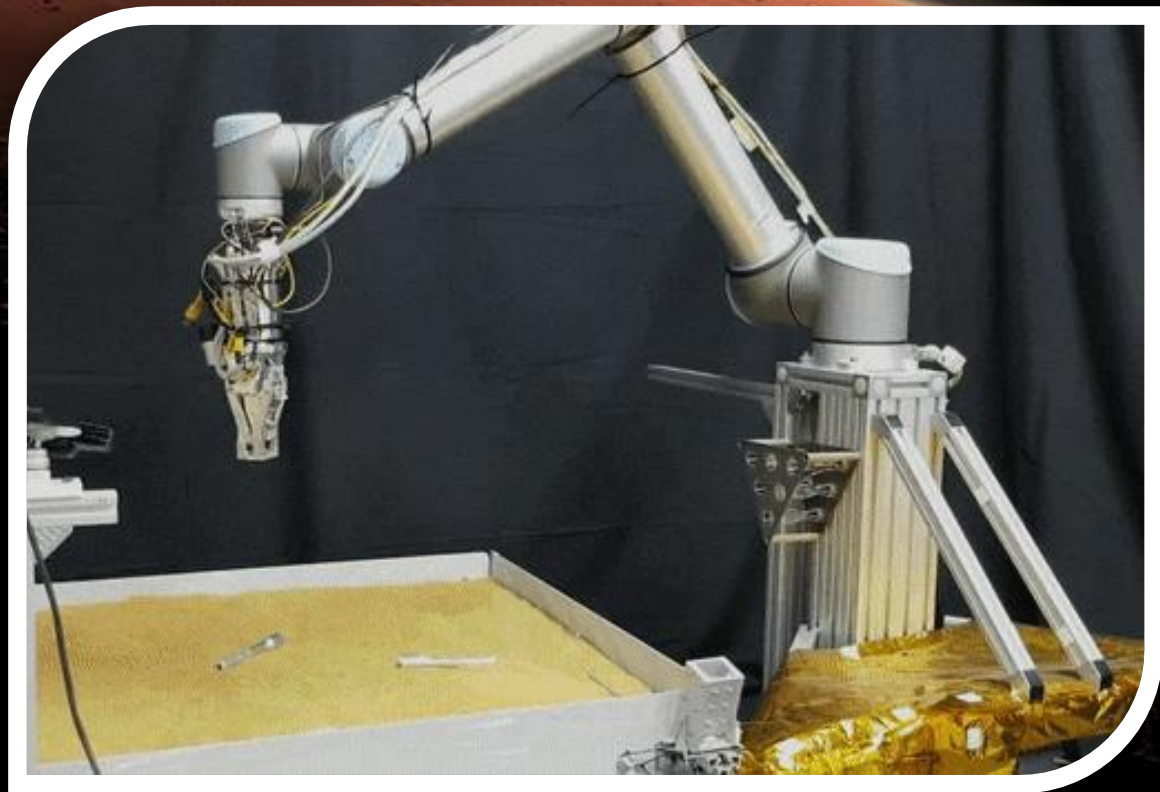
PROPRIETARY INFORMATION

QVS

SUPERCAM
Calibration Target
RAMAN LIBS

MEDA
Mars Environmental
Dynamics Analyzer
Wind Sensors

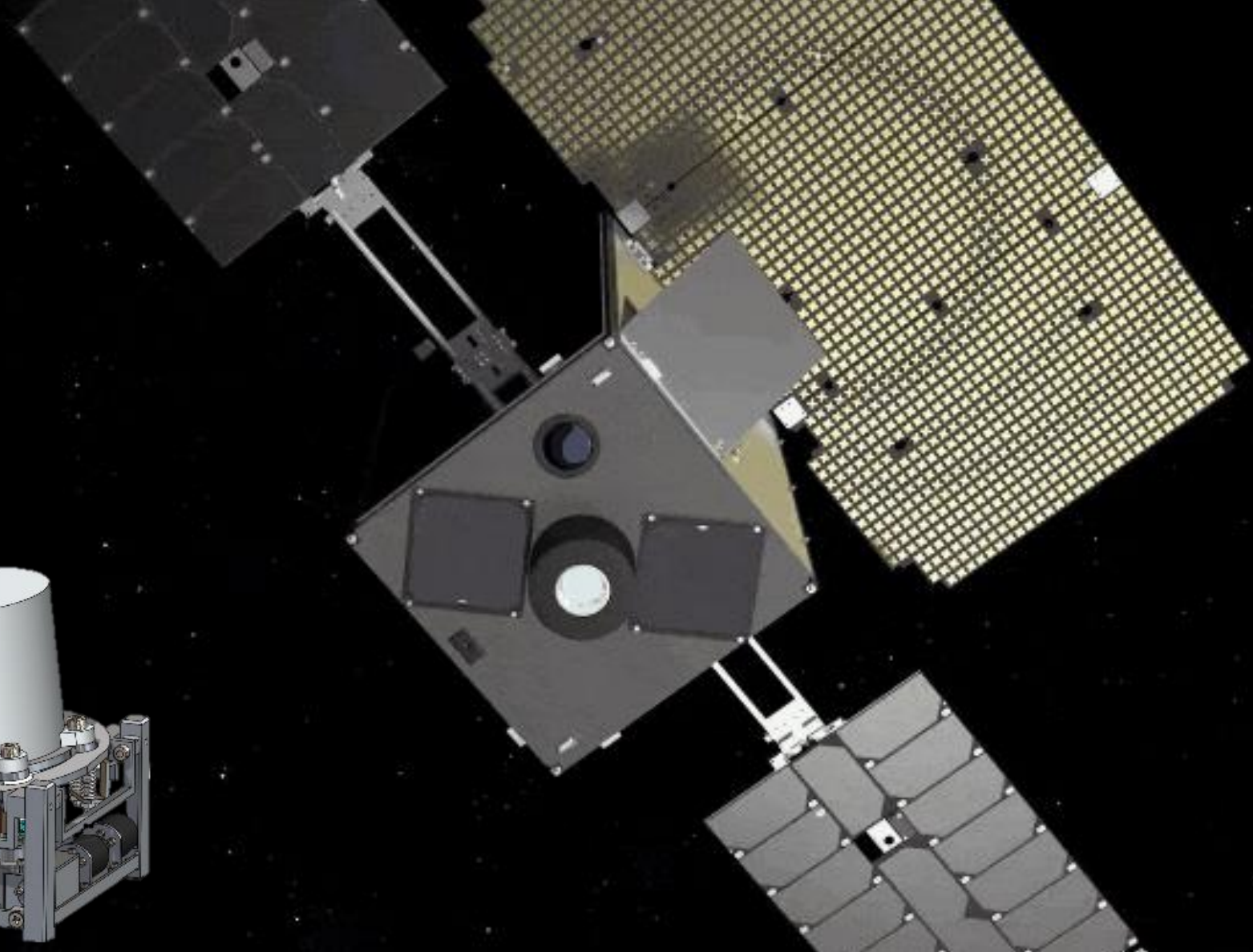
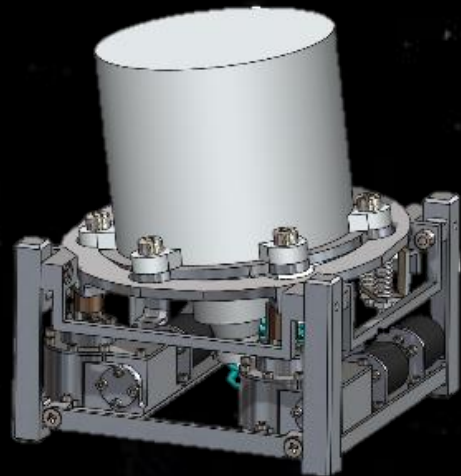
MARS



PROPRIETARY INFORMATION

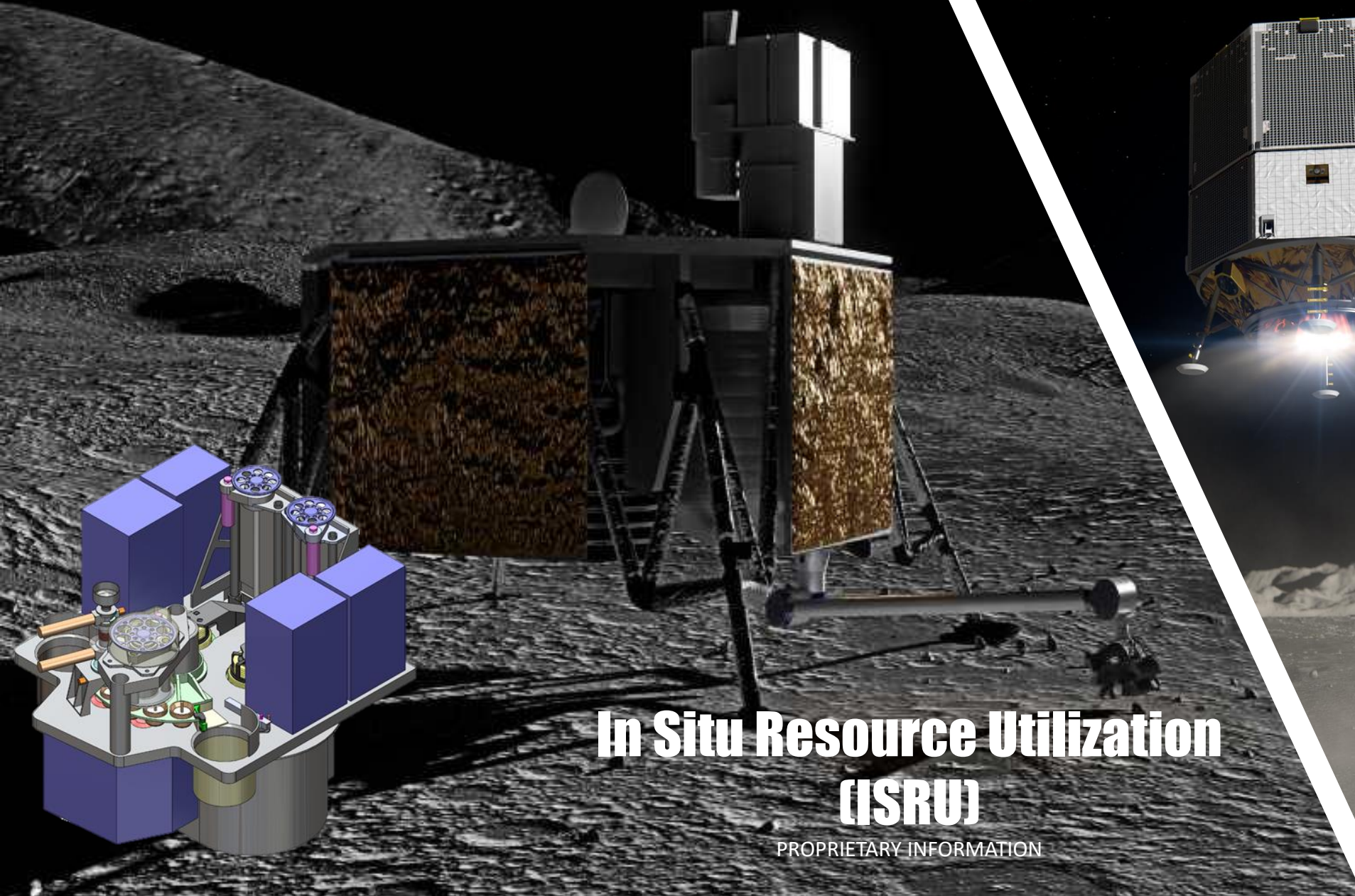
QVS

DEEP SPACE



PROPRIETARY INFORMATION

MOON



In Situ Resource Utilization (ISRU)

PROPRIETARY INFORMATION

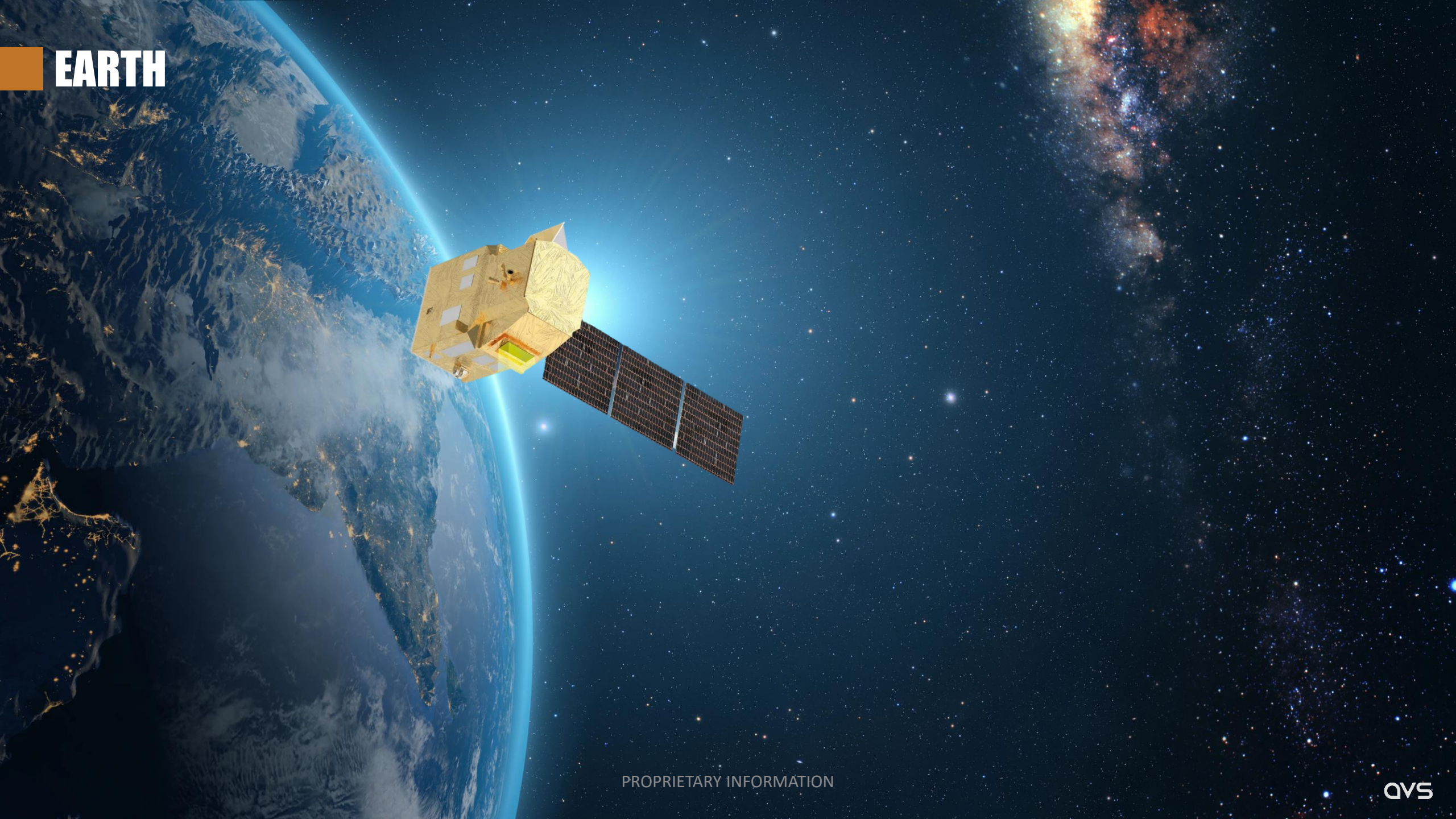
MOON



PROPRIETARY INFORMATION



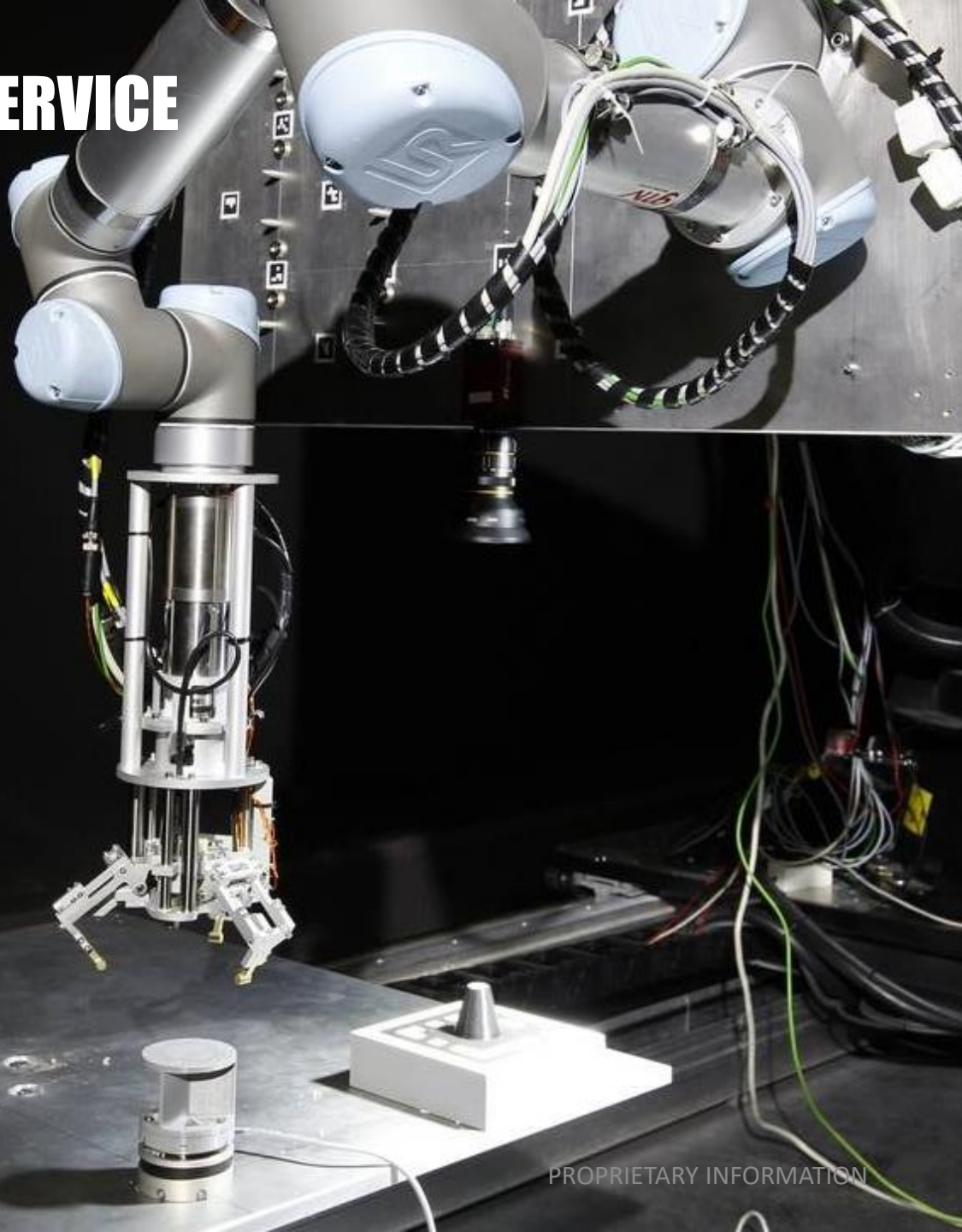
EARTH



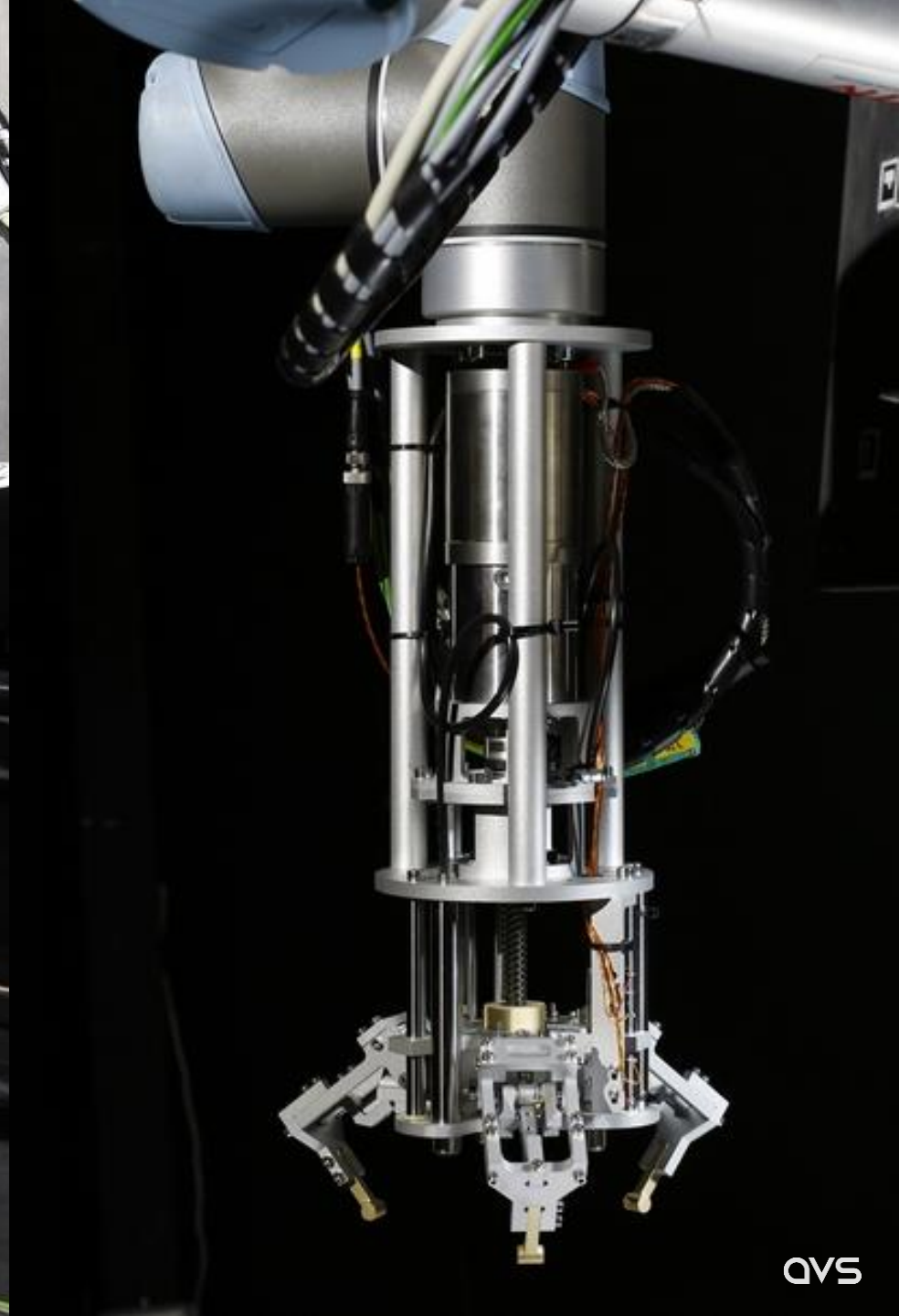
PROPRIETARY INFORMATION

QVS

ON ORBIT SERVICE



PROPRIETARY INFORMATION



QVS

RESEARCH INFRASTRUCTURES

- ALL SEGMENTS ARE DIFFERENT
- ALL RESEARCH INFRASTRUCTURES ARE DIFFERENT BETWEEN THEM
- MULTIPLE DIFFERENT CLIENTS WITHIN R I
- MULTIPLE STAKEHOLDERS
- DIFFERENT RULES
- UNDERSTAND TIMING



VALUE PROPOSITION

- **LOWEST COMPLIANT OFFER**
- **BEST VALUE FOR MONEY**
- **GEORETURN**

QVS NEXT

COMPETITORS

- **KNOW YOUR COMPETITORS**
- **UNDERSTAND COMPETITION VISION**
- **UNDESTAND COMPETITORS' VALUE PROPOSITION**

PREPARATION



- **RESEARCH AND DEVELOPMENT**
- **PEOPLE**
- **FACILITIES**
- **TECHNOLOGIES**
- **SIZE**

TENDERS



- CALCULATE YOUR ODDS



VISION

- **SHARE VISION WITH CLIENTS**
- **REGULAR UPDATES**
- **VISITING**

QVS



THAT'S ALL FOLKS