

DEFENCE AND SPACE
Space Products

We make it fly

Solar Arrays Ottobrunn

P o w e r



From the Sun to Jupiter, providing power wherever your spacecraft needs it!

Our Solar Array team located in Ottobrunn offers

- Turnkey Solar Arrays
- Photovoltaic Assembly (PVA)
- Solar Cell Assembly
- Associated in-house capabilities
 - Structures
 - Mechanisms
 - Testing

We cover the complete Solar Array manufacturing chain with our in-house capabilities & processes and invest and develop continuously to ensure maximum efficiency and constant quality through automatization of processes.

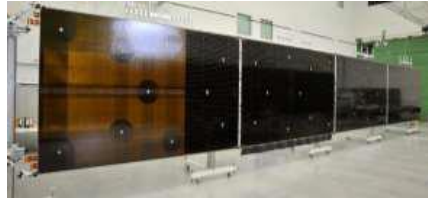
Our facts & figures:

- >50 years of heritage
- 100% success rate in-orbit SA deployment
- Average revenues: 50 Meuro/yr
- Internal R&D: ~2,5 Meuro (incl. ENEO/Onesat)
- 140 solar array experts
- Powering >550 satellite platforms to date
- S/A Power launched: >1,5 MegaWatt
- ~3.500 m² cleanroom in Ottobrunn
- World's 1st fully automated photovoltaic assembly line for space Solar Arrays

What we are working on - selection of current and recent Solar Arrays :

Large Series/Constellations

- Astrobus family (>10x)
- Eurostar3000 (59)
- ENEO (8+)
- Galileo 1st Gen. (>30)
- Formosat-7 Constellation (6x)
- Global Star (Constellation 72x)
- OneSat (Flex Array Development)
- Galileo 2nd Gen.



Science and Exploration

- BepiColombo (HIHT Mission to Mercury)
- SoLO (HIHT Mission to Sun)
- Europa Clipper (NASA)
- MSR-ERO (Mars to Earth)

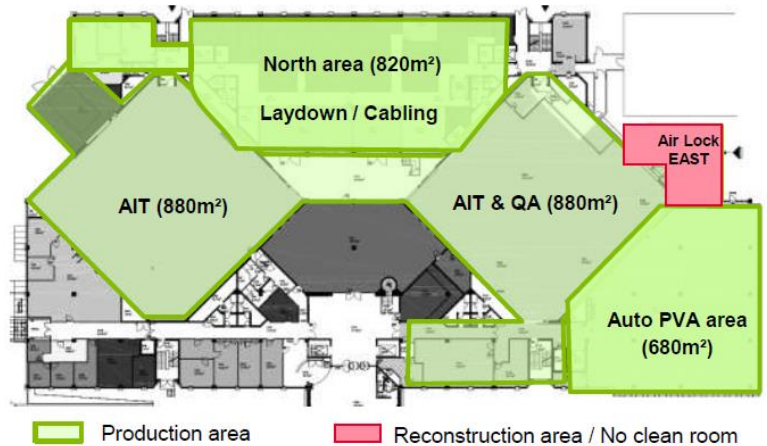
Institutional Earth Observation

- Biomass
- Sentinel 1 (4x)
- Sentinel 2 (4x)
- MeteoSat Third Generation (6x)

APVA (Automated PVA Production Line)

Overview of clean room area

>3000m² Clean room area available for Solar Arrays Operations



Overview of Automated PVA line setup (PLC#1 – PLC#6)



- PLC#1 – CIC
 PLC#2 – SCA
 PLC#3 – Busbar/Diode
 PLC#4 – Modules
 PLC#5 – Cleaner/Primer
 PLC#6 – Laydown

