ATG Europe

Company background

FACTS & FIGURES (*)

40+ YEARS IN BUSINESS

420+ STAFF

SPACE
HIGH-TECH
BIG SCIENCE
DEFENCE

€ 4,8 M EBITDA

€49 M NET SALES

(*) projections 2023

OUR BUSINESS LINES & KEY COMPETENCES

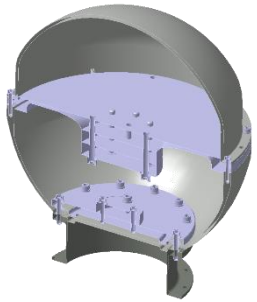
Professional Consultancy

- Loan Employment
- Consulting Services

IT Services

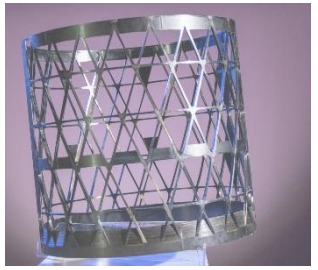
- Managed Services

ATG Engineering



EngineeringLab

Product Development - Engineering & Review services



CompositesLab

Lightweight, cost-effective composite structures; ATG-patented

VirtualLab

Engineering and Communication tools, based on VR & AR technology

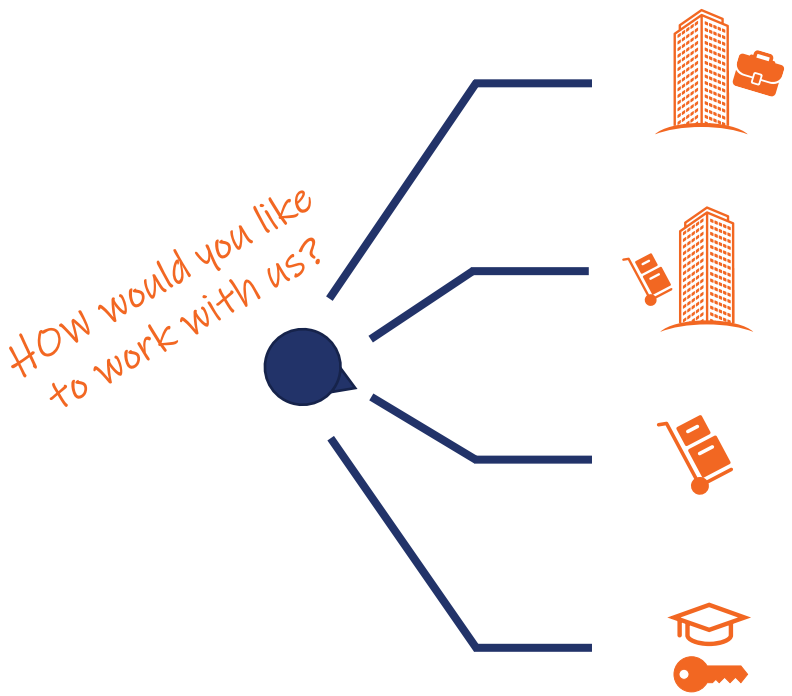
MediaLab

Stunning 2D & 3D visualisations; stills & movies

On-Site at customer premises

From ATG premises, or on-site at customer

OUR BUSINESS MODELS



On-site Consultancy at customer premises, with full integration into the customer team, under full customer supervision.

On-site Work Packages / Services at customer premises. Milestones/deliverables/SLA and KPI based business models.

Off-site Work Packages / Services from ATG's own premises. Milestones/deliverables/SLA and KPI based business models.

Technology licensing of own internally developed IPR's.

ATG has extensive experience in **transitioning between business models**, having successfully migrated *on-site consultancy support activities* to both *On-site* and *Off-site Work Packages / Services*.

OUR INTERNATIONAL PROFILE

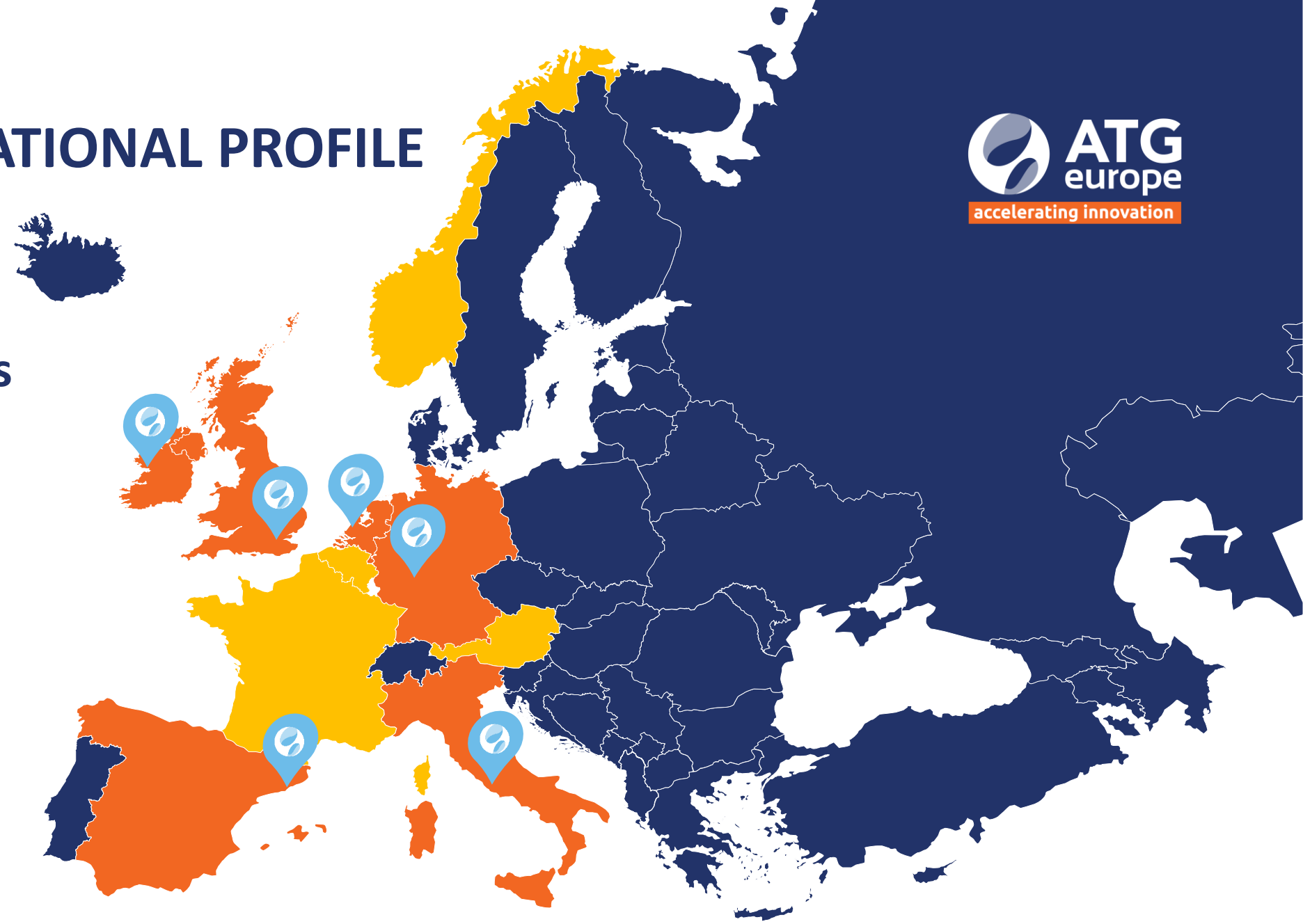
38 nationalities

10 Countries

19 Locations

6 Companies

- NL
- DE
- IR
- IT
- ES
- UK



OUR CUSTOMERS

OHB SYSTEM

KONGSBERG

esa European Space Agency

EUMETSAT

AIRBUS DEFENCE & SPACE

ESO

TNO innovation for life

SAFRAN AEROSPACE · DEFENCE · SECURITY

EUROCONTROL

NATO OTAN

ASML

ThalesAlenia Space a Thales / Leonardo company

FUSION FOR ENERGY

sckcen

MT AEROSPACE

OIP Sensor Systems

QinetiQ

Big Science and Tech Dev in the Space domain

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SPACE BIG SCIENCE

ExoMars 2018 Parachute Deployment Device

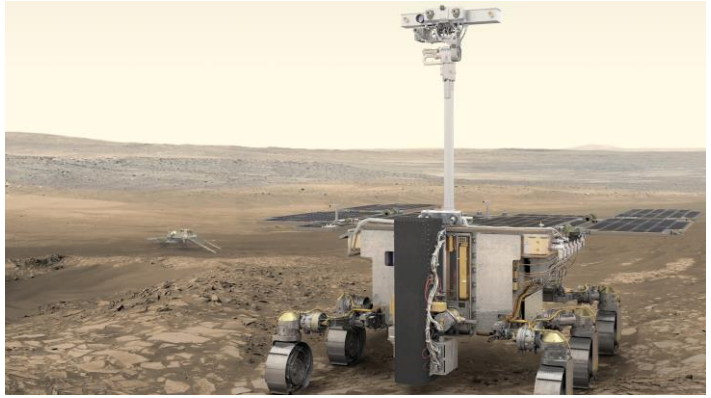
- ExoMars; ESA Science mission to find previous life on Mars
- Full mechanical development phase B through D
- In service to / cooperation with APP

PLATO camera's Thermal Vacuum Testing

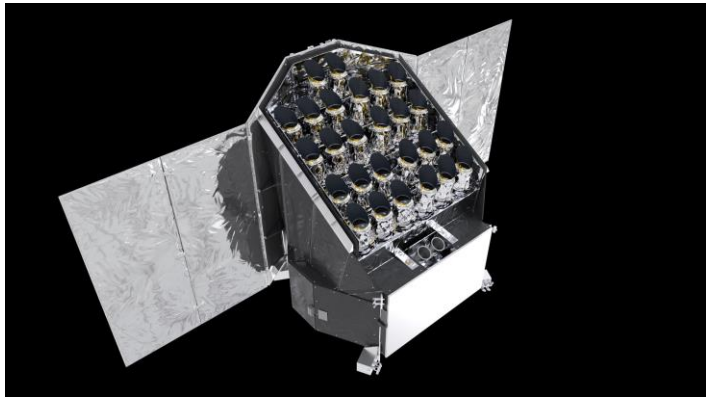
- PLATO; ESA mission to detect and study Exo planets
- Engineering support to TVAC chamber and GSE for PLATO cameras
- In service to / cooperation with SRON

Pre-DEX / ALO; (towards) the Astronomical Lunar Observatory

- Radio-astronomy from the far-side of the moon
- Cooperation with Radboud Radio Lab, ISIS, ASTRON; in Pre-DEX and towards ALO
- Thermal, Mechanical, Systems engineering and program co-management



ExoMars Rover. Image credit: ESA / ATG MediaLab



PLATO spacecraft. Image credit: ESA / ATG MediaLab

MOU signing ceremony for ALO cooperation between Radboud Radio Lab (Marc Klein Wolt, center) and ATG Europe (Alberto Donadoni, left and Gian Carlo Coletta, right)

SPACE TECH DEVELOPMENT

- **Composite lattice structures**
  - Lightweight & cost-effective patented ATG tech for Aerospace and High-Tech
  - Supported through various ESA tech development programmes towards Science and Commercial uses: CTP, GSTP, FLPP…
  - Manufacturing in cooperation with Airborne in NL, Eire Composites in Ireland

- **Thermo Elastic Verification**
  - State of art review, Delta R&D and New guidelines for industry on TEV
  - In cooperation with TAS-F (prime), OHB and TAS-I

Photo: ATG Grid-Stiffened interstages manufactured in cooperation with Airborne Composites at Airborne premises

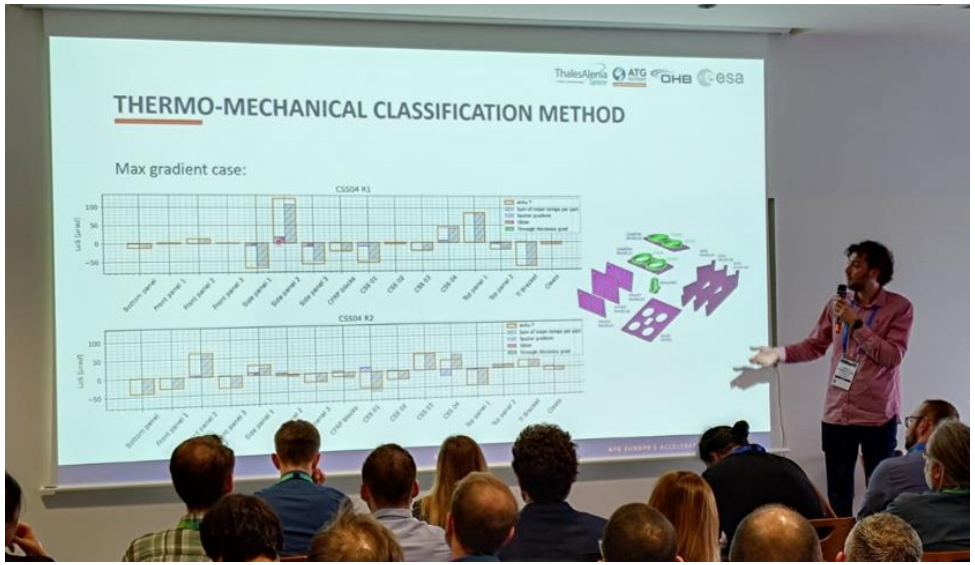


Photo: presentation of new Thermo-Elastics guidelines to European space structures engineering community at ECSSMET23 by ATG's Arturo Gonzalez

Big Science work in Nuclear / Energy domain

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PROVISION OF ENGINEERING SUPPORT SERVICES TO F4E

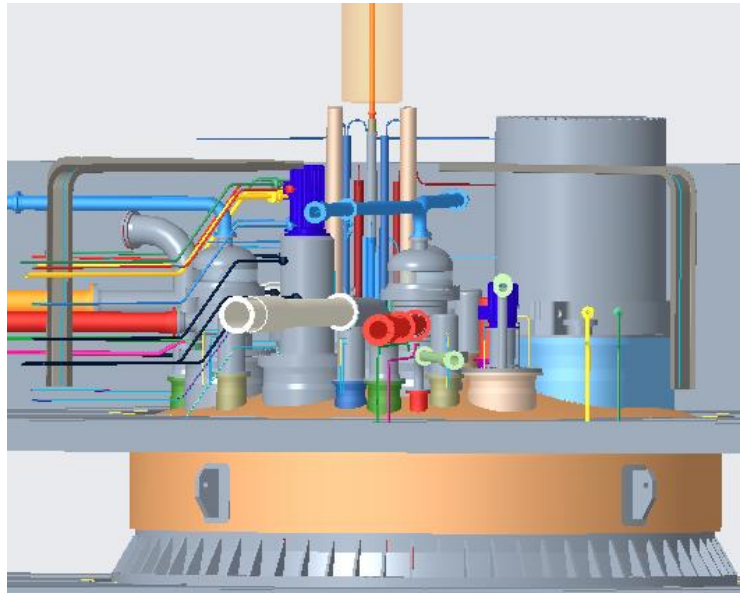
FUSION FOR ENERGY

- Open Procedure F4E-OMF-1159:
  Provision of Engineering Support Services
- Tendered in 2021, awarded in 2022
  (score 97.16 out of 100)
- 3 Frame Contracts with Task Orders in cascade
- Duration 4 years (2 + 1 + 1)
- Lot 1 – General Engineering Services: 30 Meuro LoL
- Lot 2 – Civil Engineering and Mechanical Qualification Services: 6 Meuro
- 3 partners per Lot (prime plus subcontractors). ATG prime contractor in Lot 1, subcontractor in Lot 2

- Ca 100 ATG staff at F4E Barcelona: PM, QA, Manufacturing Engineering, Remote Handling/Robotics, Design and Analysis, Mechanical, Thermal, Vacuum Engineering

CONCEPTUAL DESIGN FOR MYRRHA

- MYRRHA = Accelerator Driven Reactor for spent fuel usage, medicine and fundamental research
- Framework contract for Lot 1 “General Engineering Services” of the “MYRRHA reactor – supporting engineering services preliminary design phase”
- ATG Europe prime contractor, HIT (Delft) and IDOM subcontractors
- Two assignments within framework:
  - Ex Vessel Remote Handling System (EVRHS): Containing several remote handling theatres in the entire reactor hall
  - Fuel Transfer Channel - Ex Vessel Fuel Handling System (FTC-EVFHS) Fuel transfer between Hot Cells and Reactor
- Work towards design baseline: Requirements analysis, conceptual design, nuclear safety engineering, cost estimation



Summary of why and how

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WHY AND HOW

Why

- Intriguing work and impact, Cutting edge technology
- Normally stable, long-term funded projects
- Reliable customers
- Balance / diversity in work portfolio

How / What do we need

- Experience / Saviness in public procurement, frame contracts
- Experience in specialty domains
- Multi-national coverage
- Partnerships

Challenges

- Bureaucracy; paperwork and slow processes
- Often one-offs; development challenges and tension between waterfall and agile
- ROI vs stability

CONTACT US

SAMO SIMONIAN

BU Manager - Engineering Services and Products

samo.simonian@atg-europe.com

ALBERTO DONADONI

ATG Europe CCO

alberto.donadoni@atg-europe.com