



GUTMAR

precision machining & engineering



1951-2021

Projects & Sectors

Space



Aeronautics



Defense

GUTMAR is **Tier 1 supplier** from Airbus and from other leading European aerospace companies through all the life cycle of the product

Robotics

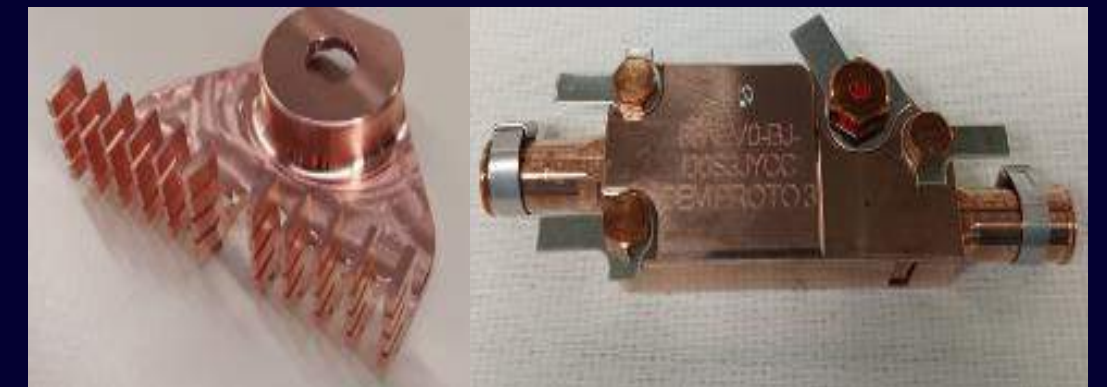
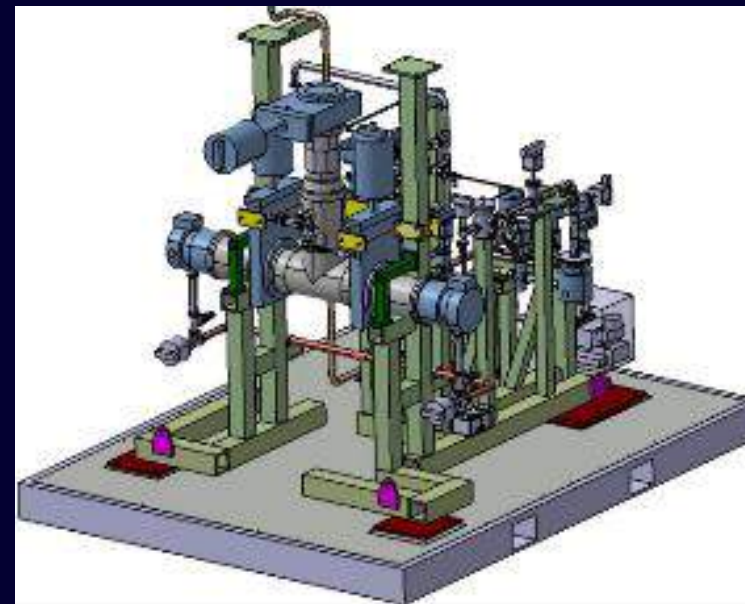


Naval

Nuclear Fusion

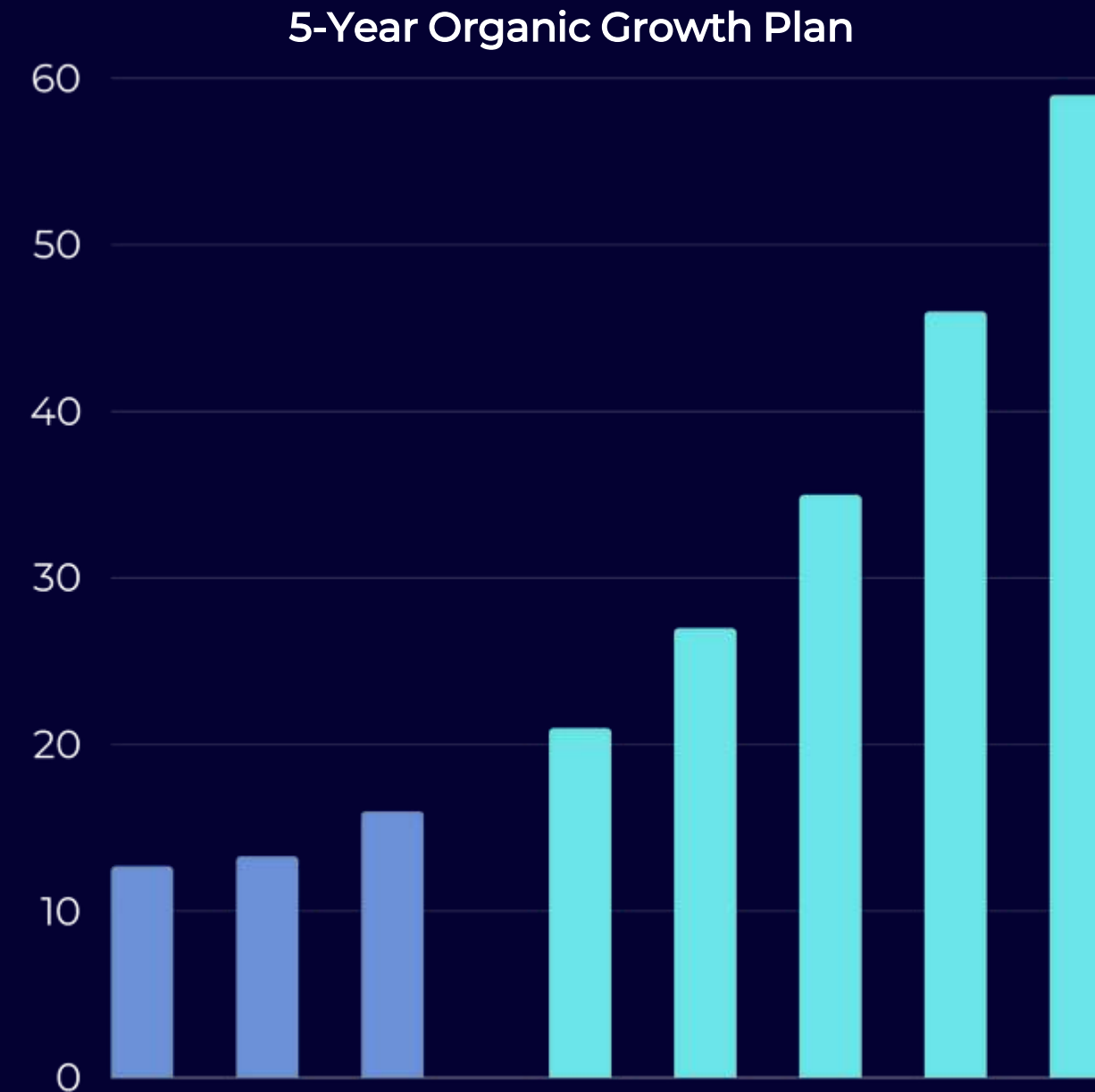
F4E Projects awarded to GUTMAR

- 1) OPE-0885 MANUFACTURE OF DIAMOND WINDOW UNIT PROTOTYPE
- 2) OPE-0982 - SUPPLY OF THE PRIMARY VACUUM and CRYOSTAT LEAK DETECTION SYSTEMS for ITER
- 3) OPE-1150-IDES - FINAL DESIGN, MANUFACTURING and SUPPLY OF IN-DIVERTOR ELECTRICAL SERVICES (IDES) for ITER Diagnostics Systems
- 4) OPE-1150-IVS - MANUFACTURING AND SUPPLY OF IN-VESSEL SUPPORTS (IVS) for Mineral Insulated (MI) Cabling for ITER Diagnostics Systems



Purpose, Vision and Values

- **Purpose:** To collaborate with our clients by providing cutting-edge solutions through integrated systems, products, and specialized services throughout the product lifecycle we develop.
- **Vision:** To grow in a global market while delivering comprehensive service to our clients, basing our competitiveness on innovation and new technologies.
- **Core Values:** Quality, Ethics, Professional Development, Environmental Respect, Continuous Improvement, Long-term Customer Loyalty





Since 1951, GUTMAR offers an integrated service in **engineering** , **precision machining** , **welding** and **assembly** to develop and manufacture cutting-edge technology projects



Human and Technical Resources

- **Manufacturing engineering and CAD** department
- **CAM-CAE** programming team
- **ERP** for manufacturing follow-up
- Production Quality & Metrology Lab (5 CMM 3D)
- More than 40 qualified **machine operators** (8-hour 3 shifts)
- Final assembly and Testing
- Technical **Account managers**
- **Certified Suppliers** for special process

Leading Sectors

Aeronautics

Space

Nuclear fusion

Defense

Marine

GUTMAR 's Headquarters



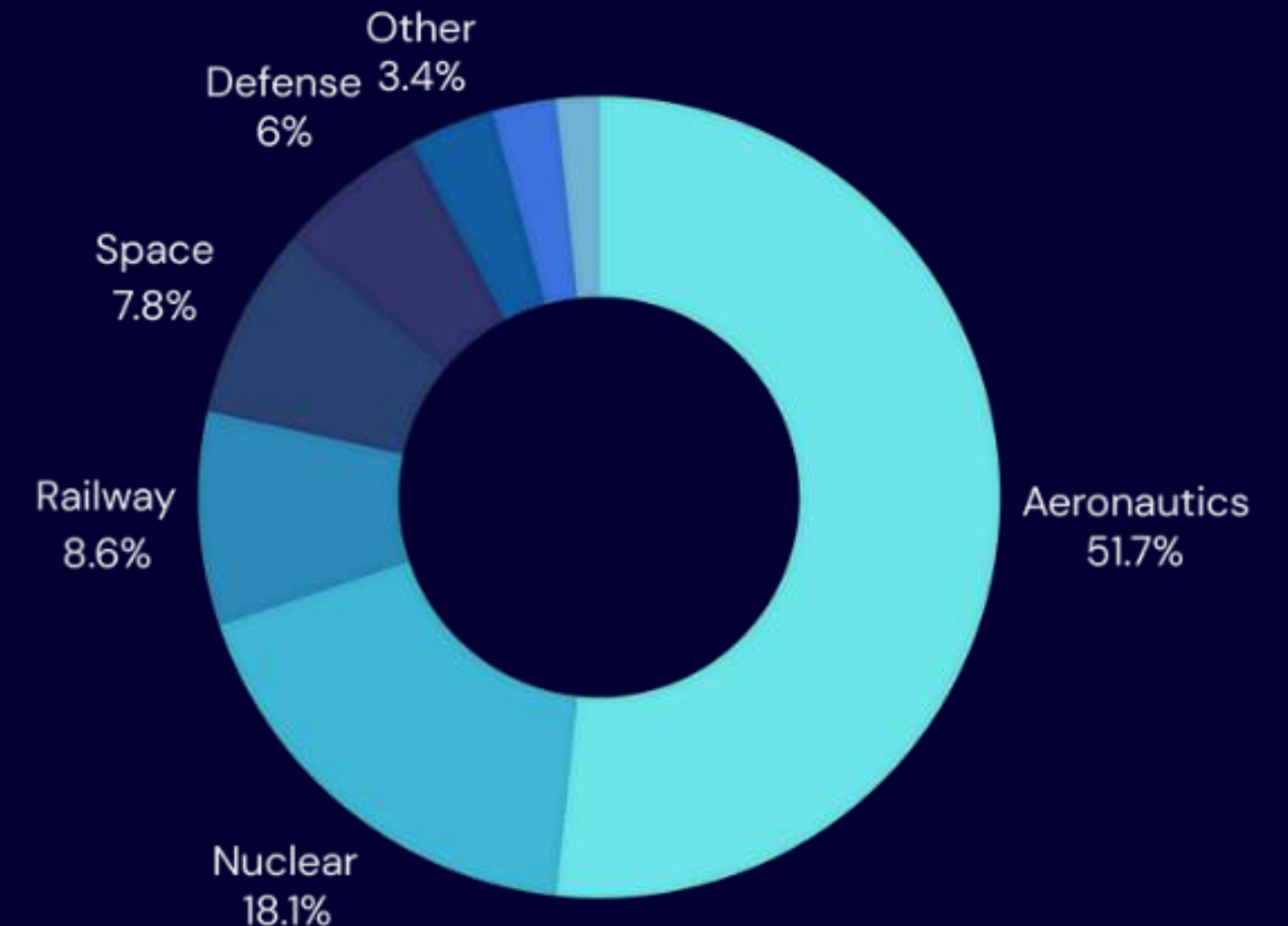
Sant Cugat (Barcelona)

- 18,500 m² of production area (60 CNC Machines)
- 500 m² offices
- 800 m² assembly rooms (3 cleaning levels)
- 60m² Equipped White Room (ISO 7~8)
- Workshop Training Center (+20 promotions)



Work resources

- Response to customers diverse needs through specific resources :
 - Offering a high tech workshop (60 CNC machines)
 - CAD and manufacturing engineering
 - Precision machining and Assembly manufacturing
 - Manual and automated precision welding for complex assemblies in aerospace and nautical sector specialized in SS and Aluminum.
 - Heat & surfaces treatment coverage
 - CMM Metrology Labs and dedicated White Room.
 - Final assembly and Testing
 - Commissioning
 - Full traceability documentation and support on life cycle of the product



Machining Capabilities

State-of-the-Art Equipment and Expertise



Advanced Machining Technology

Gutmar specializes in the production of high-complexity mechanical parts and assemblies for aerospace, medical technologies, and nuclear sectors.



Integrated Production Management

Gutmar's ERP system (ABAS) ensures effective production planning, resource optimization, and subcontractor management.



Versatile Machine Fleet

Equipped with 3, 4, and 5-axis high-speed machining centers, CNC multifunction lathes with up to 9 axes, supporting a wide range of materials.



Lean Manufacturing Principles:

Using 5S, poka-yoke, and SMED methodologies, Gutmar maximizes efficiency and guarantees timely deliveries.

Machining Capabilities

Over 60 CNC Machines for Precision Manufacturing

- **CNC 5 axes:**

- MAKINO D500 (Qty=4)
- MAZAK VARIAXIS -CM5-I (Qty=2)
- MAZAK - 800 NEO IA (Qty=2)

- **OKUMA MU-8000** Integrated Vertical Turning Center + CM (5 Axes)

- **9-axis Milling-Turning Centers :**

- MACTURN 350-2S-W OKUMA
- MULTUS B300-W - MULTUS 4000

- **CNC 3-4 axes:**

- MAZAK VTC 200C
- MAZAK FH 4800
- MB - 46VAE OKUMA - CM CNC3 –
- 10 CHIRON FZ 12W MAGNUM - CM CNC3
- 11 CHIRON FZ 12W MAGNUM
- DECKEL MAHO DMU 80T
- MU400-VA OKUMA
- FANUC ROBODRILL ALPHA T21 CM4 CNC 1D
- MORI SEIKI DURO VERTICAL 5060 . CM4 CNC 2D
- MX-45VAE-OKUMA



- **CNC Lathing Center (Diameter 500 x L2000) :**

- LB - 400 OKUMA –
- SPACE TURN B300 I M OKUMA
- SPACE TURN LB - 15 II M OKUMA
- SPACE TURN LB - 300M OKUMA
- SPACE TURN LB – 250T OKUMA
- LB - 4000 II OKUMA
- LB - 4000 OKUMA

- **CNC Machines (Diameter 300 x L10009) :**

- MORISEIKI-SL200
- LB - 250T BIG BORE OKUMA
- LCS - 15 OKUMA
- LU 15 –VI CAM OKUMA 13
- TCNC OKUMA GENOS L2000-e
- GENOS-L250 OKUMA

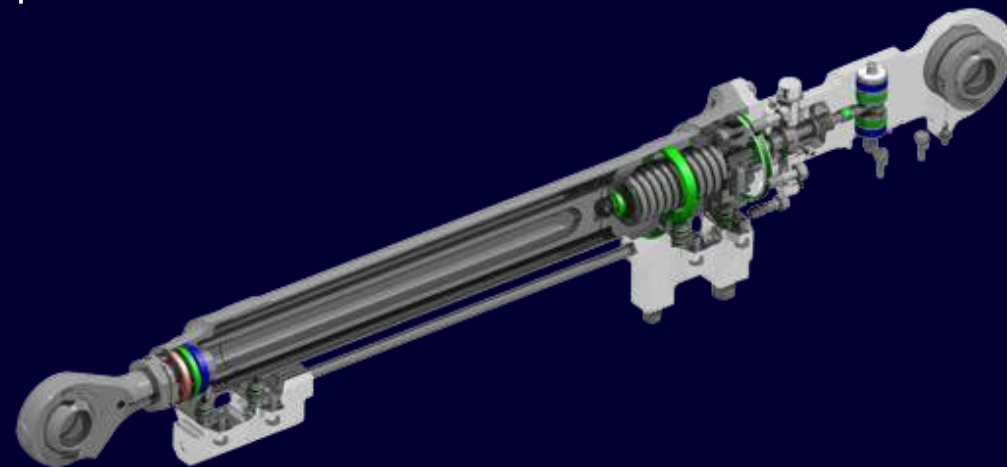
- **Additional equipment:**

- RCP-1200-U1 (DANOBAT)
- ROBOFORM 350
- GL 3100 ROMI

Assemblies

Precision in Aerospace, Nuclear and Defense

- **Hydraulic and Actuator Assemblies:** Gutmar excels in the production of complex hydraulic assemblies, including those for the landing gear of the A400M aircraft.
- **Defense Sector Components:** Components such as telescopic actuators and suspension systems are manufactured for armored vehicles and defense equipment.
- **Tailored Assembly Solutions:** Integral production and assembly of hydraulic control units for guided vehicles and robotic arms, ensuring exact specifications.



Landing Gear Actuator for the A-400M Aircraft



Exoskeleton for Wrist Joint

Welding Services

Expertise in Diverse Materials and Methods

- **Specialized Welding Techniques:** Gutmar offers advanced welding services, including MIG, MAG, and TIG, for aluminum, steel, and other materials.
- **Manual and Robotic Processes:** Manual and automated processes ensure precision welding, especially for complex assemblies in aerospace and nautical sectors.

Thank you for your attention



www.gutmar.com