



SOFITER SYSTEM ENGINEERING S.p.a



A RELIABLE ENGINEERING PARTNER

COMPANY PRESENTATION



SOFITER SYSTEM ENGINEERING

COMPANY

Founded in Turin in 1980, has been operating for over 40 years in the sector of services for the life cycle engineering of aerospace products, both civilian and military.

HQ in Turin (Development and ICT Areas, Secure Areas), other premises in **Rome** and **UK (SSE UK Ltd)**. The extensive experience gained over this long period allow SSE to develop end-to-end projects, from feasibility studies (Phase 0) up to supporting the use of the product (Phase E), both on site and directly at the customers' premises.

More than 150 specialists, including System Engineers, Electronics Engineers, Software Engineers, Verification and Validation Engineers.



AWARDS

SSE, historical partner of Leonardo SpA, was awarded in the **Leonardo Supplier Awards** program in 2021 and 2022 in the **Service Excellence** category.

In line with its own aims to continuously improve the service quality, SSE has a Quality Management System certified in compliance with **ISO 9001:2005 and EN9100:2018**

This certification has been released on the 2013-03-22 by **DNV GL Business Assurance Italia SRL**, and it is valid for the following services:



Design, development and testing of avionics systems (including software and system integration) Service



Logistic Engineering and Material Management Services



ISO 9001:2015 e EN 9100:2018



SOFITER SYSTEM ENGINEERING

PROJECTS

SSE is a reliable partner for the development of military aircraft for the Italian national industry, first Aermacchi and Aeritalia, then Finmeccanica, today Leonardo SpA.



GCAP System Engineering



EFA 2000 and related upgrade



M346



ATR-MPA Special Versions



C27J and related upgrade



TORNADO and related upgrade



SOFITER SYSTEM ENGINEERING

EXCELLENCE IN ENGINEERING

- › SSE carries out **complex technological projects** throughout the product development cycle for leading companies in the Aerospace and Defense sector
- › SSE offers a wide variety of **engineering services**, from feasibility analysis, requirements management, to the development of complex aircraft systems and subsystems, for the entire project life cycle
- › The strength of SSE is based on the **competence** and **professionalism** of the specialists, technicians and managers who compose it
- › A **detailed selection** of experts in the engineering sector and graduates in STEM disciplines from various Italian universities
- › A **training course** in structured and replicated **working groups** in the various areas of engineering intervention
- › We apply advanced technologies and we are committed to the constant development of new and innovative solutions
- › SSE participates with **passion** and **continuity** in Customer success, sharing the values and rules that characterize the mission of the entire aerospace supply chain
- › SSE follows the development and integration activities of avionics systems both throughout the national territory (AMI Bases) and abroad (**SSE UK Ltd**, Kuwait, Qatar, ...)
- › **'Win-Win' partnership** with **Universities** and other **SMEs** in the Aerospace, Defense and Energy sectors

POLICIES

- › Quality
- › Risk Management
- › Operational Continuity
- › Information Security
- › Personal Data Protection
- › Supplier - General Purchasing Conditions
- › Prevention - Harassment and Violence
- › HSE and Social Responsibility
- › Whistleblowing - Reposting of Offenses and Irregularities



ETHICAL CODE

- › SSE Code of Ethics



GDPR

- › Information and Personal Data of Suppliers
- › Information and Personal Data of Customers



EFA

- › ACS / AVS System Integration
- › NAV System Integration
- › EFA PdM System Integration
- › GSS / IMSS System Integration
- › Simulation & Training System Integration (RIG)
- › AJT UK ACS, NAV, AVS (Design and System Integration)
- › AJT UK RIG (Support Equipment Engineering & Testing)
- › Radar Mission System Integration
- › KAF
- › HMI System Integration
- › SAFETY Engineering
- › Vendor & Material Management
- › Reference Data



EFA



GCAP

GCAP

- › Aircraft Systems
- › NAV/ACS Mission Systems
- › HMI&WI Integration

C-27J

- › AVS Avionics System Integration



C-27J

TRAINERS (M-346, M-345)

- › AVS Avionics System Integration
- › ACS System Integration
- › HMI&WI System Integration



TRAINERS (M-346, M-345)

OTHER

- › ATR LRMP Version System Integration
- › ATR WI System Integration
- › CMS System Integration onboard Special Version (other Platforms)
- › Aircraft Prod. Support
- › AMI Ground Base Support
- › 76/62 Naval Gun “over deck” System Integration

ROBOTIC ARM FOR HEMS-HHO TRAINING

- › Full-flight simulator of heli rescues operations (critical mission phases)
- › Original solution Patent pending
- › Trolley on rails based, hosting heli cockpit
- › 3D movement in existing and/or new bay (indoor and/or outdoor)



PILOTS & CREW STRESS DETECTION BY AI

- › In partnership with UNITO DI
- › Flight-biometric-behavioral sensors data integration
- › AI & Pattern Recognition analysis and detection of stress precursors



E-POWERTRAIN FOR MALE UAS

- › Two projects in partnership with UNICAS and UNIRC
- › Replacing traditional fuels/motors with e-motors powered by Hydrogen (HFC and hi-press tanks)
- › Powertrain Control System AI-based targeting FALCO x-Plorer performances

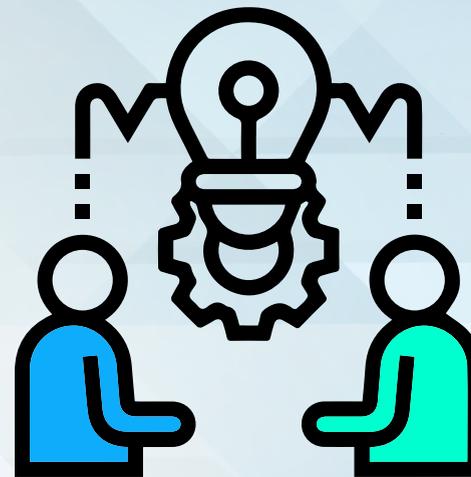


AI IN SUPPORT OF AERIAL FIRE-FIGHTING MISSIONS

- › Project in partnership with UNITO
- › “System of systems” by C27J, UAS swarms, sensors and other networks integration
- › Extensive operations by MAFFS (Oil Spills, Agriculture, NBC, ...)



- › Expansion in **engineering solutions** development (AI, UAS electrification, simulators, ...)
- › Expansion of the **offered services** (reverse engineering, special version aircraft engineering, ...)
- › **Customers footprint** expansion (LED and Sistemi Difesa programmes, other Defence Market Players)
- › Positioning consolidation as **Center of Competences for GCAP** engineering services
- › Further SMEs and Universities **partnerships**



BECOME THE PREFERRED GCAP
SYSTEM ENGINEERING PARTNER



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