



Management and Engineering for High-Tech Systems



A Group of Specialised Companies in Management and Engineering activities for High-Tech Systems



Technical Publication, Training and Telecoms



Technical Management Expertise



Engineering Activities

Training

Training Engineering (SAT, ISD...)
 Design and development of training material and tests
 Production of the training means (CBT, e-learning...)
 Conduct of theoretical and on the job training courses (multimedia, video, audio...)
 Learning validation
 Standards: SCORM, HTML 5, MIL HDBK 1379

Technical Publications

Documentation expertise, audit, consulting and support
 Design and drafting of technical documentation
 Definition and content structuring, document configuration management
 Standards ATA iSpec 2200, ASD S1000D/S2000M, IT 8805, MAT 10000 and others
 Documentation tool development (parsers, viewers...)
 Multi-format publication (IETM)
 Illustration engineering (digital models, animated 2D/3D models)
 Interpreting and translation: localization, terminology
 Data management, EDM

IT and Telecommunications

Professional and public radio communications networks
 Technology: 2G to 4G, LTE, TETRA, GSM R
 Wired networks and optical fibers: IP networks, network cores, VDI, GTC
 Video and site securing
 Professional telephony networks (VOIP, TOIP)
 M2M

Industrial Projects Monitoring

Scheduling, Management and Coordination
 Work supervision and coordination
 As built records / drawings, reception of work
 Commissioning and follow-up during defects liability period

Support Engineering & Contractor Logistics Support

Integrated Logistics Support (ILS)
 Contractor Logistics Support (CLS)
 Optimization of Life Cycle Cost / Availability (LCC, LoRA)
 Logistic Support Analysis
 Modelling and optimization of flows (SCM)
 Logistics Information System (ILS, PLCS)

System Engineering

Requirements management
 System Architecture, Model-Based Systems Engineering (MBSE)
 Configuration management (system and software)
 Product Life Management (PLM)
 Industrialisation, production control and optimization

Program Management

PMO / Project management
 Contract management
 Risk management
 Optimization of industrial performance
 Lower tier subcontractors management

RAMS (Reliability, Availability, Maintainability, Safety)

Reliability analysis and management of reliability program
 Safety analysis
 Assessment of RAMS performance for software, electronics, mechanics (RAMS-T)
 Industrial risks assessment (HAZOP, ATEX, SEVESO...)
 Nuclear safety and dismantling engineering

Quality

Definition and deployment of new standards for process improvement
 Management and support in operational quality (project/product quality, supplier quality, software quality)
 Deployment of Lean, 6 Sigma, ITIL, CMMI

Electronic Systems

Design, development and industrialization
 Digital & analog electronics
 Embedded and real time software
 Development under safety constraints
 Expertise in embedded networks

Test Benches

Design, development and manufacturing
 Real time system integration (electronic, pneumatic, mechatronic)
 Test benches for acceptance tests, qualification and maintenance
 Electrical and mechanical equipment

Obsolescence processing

Obsolescence management
 Reverse engineering, redesign, retrofit
 In-Service support

Integration Validation & Qualification

Project management of environmental and functional qualifications
 Test and validation plans
 Testing and test conduct
 Management of test resources (laboratories, equipment)

Our Network



Our Certifications

› Ministry for Education & Research
 › ISO 9001
 › CEFRI

Approved Training Organisation

› LGM no. 11 78 81121 78
 › LGM Ingenierie no. 11 78 81120 78
 › Off-the-shelf training courses
 › Custom-made training courses

Directorate of Technical Innovation (DTI)

› Strengthen the know-how and the business expertise
 › Ensure the constant surveillance of procedural and technical innovations
 › Place innovation in the heart of our group
 › International management of our in-house expertise and technical skills
 › Provide training and ensure LGM consultants constant skills enhancement

A partner for your future challenges !



Aeronautics

Airbus Helicopters
Dassault Aviation
Snecma
Thales Avionics
Liebherr Aerospace
Turbomeca
Airbus Defence and Space
Zodiac Aerospace
Bombardier
Aircele



Railways and Rolling Stock

SNCF Mobilité / SNCF Réseau
RATP / RATP DEV
TISSEO / KEOLIS
EUROTUNNEL
SGP / ARTEMIS
ALSTOM Transport
FAIVELEY Transport
STIF / MEL / MPM
LISEA / COSEA / MESEA
ARAF



Naval

DCNS
STX
French Navy
OCEA
MyFerryLink
Gazocean
Wärtsillä
Single Buoy Moorings Inc
Thales Underwater Systems



Defence

DGA
Airbus Defence and Space
Nexter
Renault Trucks Defense
Thales Com. & Security
Ineo Défense
Sagem



Energy & Nuclear Power

CEA
Andra
EDF
IRSN
Saft
GDF Suez
DCNS
Alstom Power
Areva



Telecommunications & Air Traffic Management

ACSI
DGAC
Thales Raytheon Systems
Thales Air Systems
MITEL
Orange
Alcatel Lucent
Thales Com. & Security



Industrial Facilities & Pharmaceutical Industry

GSK
Sanofi
Air Liquide
Technip
Ingerop
Nestlé
Schneider Electric
Carmat



Automotive Industry

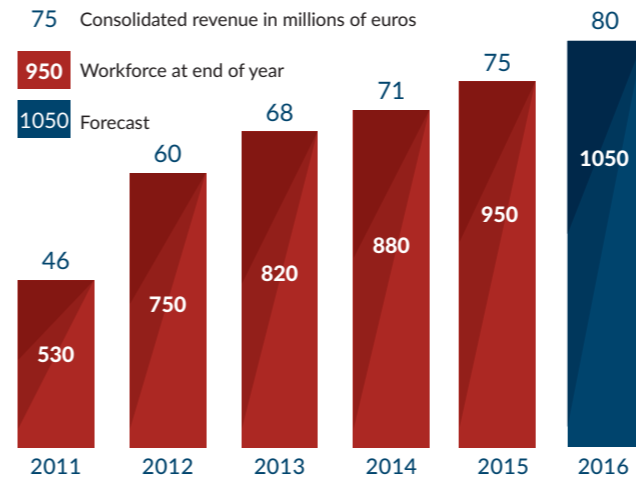
PSA
Renault
Volvo / Renault Trucks
Jtekt
Valeo
Delphi
Magneti Marelli
Continental



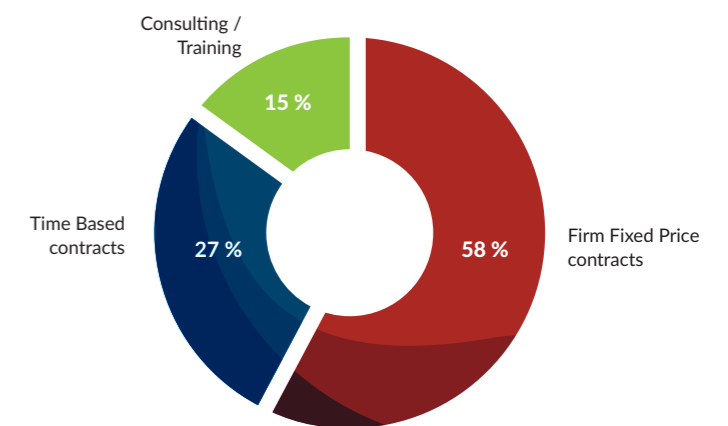
Space

ESA
CNES
Thales Alenia Space
Thales Com. & Security
Airbus Defence and Space
Intespace
Telespazio
Safran Herakles

LGM Group in Figures



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