

Power systems
HV · MV · LV

Energy, from source to use.

PROJECT REFERENCES AND PROFESSIONAL EXPERIENCE

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2026 edition

High-voltage infrastructure

Connection, transformation and industrial distribution.



Safran Aircraft Engines - Gennevilliers

Technical client advisory · Design & build

€20m total / €16m electrical

Technical client advisory services for the overhaul of the 63 kV HV and MV power supply. Assessment of power requirements, definition of transformer, protection and control architectures. Preparation of the technical brief's requirements and review of connection and migration scenarios while maintaining operation.



Safran - Villaroche, Building 12

Design & site supervision · Design & build

€23m total / €5m electrical

Design and site supervision for the refurbishment of Building 12's MV infrastructure. Network design and sizing, definition of HV/MV interfaces and power equipment specifications. Assessment of construction phasing to maintain the power supply to industrial installations.



Safran - Magny-les-Hameaux, FAN

Design & site supervision · Design & build

€4.5m total / €2m electrical

Feasibility and design studies for the power supply to two FAN booths. Comparison of connection solutions, studies for two 2,000 kVA MV/LV substations and sizing of distribution infrastructure against process requirements and existing network capacity.

Industrial distribution

Electrical architectures and adaptation of existing infrastructure.



Safran - Colombes/Gennevilliers, B13

Technical client advisory · Design & build

€20m total / €3.5m electrical

Technical client advisory services for the B13 extension. Definition of power requirements and transformer and LV distribution specifications, integration of two 1,250 kVA transformers and adaptation of the P7 main LV switchboard. Assessment of design solutions and interfaces with existing installations.



Safran - Évry-Corbeil, BM and Dent 6

Design & site supervision · Design & build

€7m total / €1.5m electrical

Design and site supervision for the overhaul of electrical installations in Buildings BM and Dent 6. Assessment of existing networks, design of distribution architectures and sizing of supplies and protection. Study of an 800 A main LV switchboard for BM and floor-by-floor switchboard distribution for Dent 6.



Safran - Montereau-sur-le-Jard

Electrical engineering · Design & build

€43m total / €4.5m electrical

Power system design studies for the MTJ2028 programme: power demand assessments by building, definition of MV/LV architectures and normal/standby networks. Preparation of distribution diagrams and assessment of the separation of IT and security UPS supplies, interfacing with existing infrastructure.

Continuity of service

Hospital infrastructure and power availability.



Brie-Comte-Robert - Hospital and nursing home

Design & site supervision · Design & build

€48m total / €5m electrical

Design of power infrastructure for the new hospital and nursing home. Study of the shared MV/LV substation, power demand assessments and sizing of separate normal/standby architectures, main and safety switchboards, generators and UPS networks. Consideration of continuity-of-care requirements.



Lisieux - Robert Bisson Hospital

Design & site supervision · Design & build

€18m total / €1.5m electrical

Design and site supervision of power installations in an operational hospital. Design and sizing of electrical distribution, definition of technical specifications and interfaces with existing installations. Assessment of phasing constraints and the requirements for maintaining hospital activity.

Our power engineering approach

Design: power demand assessments, calculations, protection, selectivity, system diagrams, specifications and design documentation.
Tendering: invitations to tender, contract award support (ACT), technical and economic analysis and presentations.
Construction: review of contractor submissions (VISA), site supervision, visit reports and specification compliance checks.
Handover: testing, pre-handover inspections (OPR), as-built file review (DOE), defect follow-up and commissioning support.
Services tailored to the contractual scope of each assignment.

LV distribution and public facilities

Sizing, lighting and adaptation to use.



Arras - Bergaigne multi-storey car park

Design & site supervision · Design & build

€16m total / €1.2m electrical

Design and sizing of LV distribution for the multi-storey car park: power demand assessments, distribution architectures and lighting. Studies of electrical interfaces with safety equipment, an initial phase of 35 charging points and approximately 498 kWp of photovoltaic generation.



Savigny-sur-Orge - Nursery

Design & site supervision · Design & build

€1.5m total / €500k electrical

Power system design and site supervision for a 60-place nursery. A power demand of approximately 95 kVA, distribution design from a single main LV switchboard, supply sizing and lighting studies suited to each use. Coordination of equipment locations with the architectural layout.



L’Haÿ-les-Roses - School and sports complex

Design & site supervision · Design & build

€44m total / €2.5m electrical

Design of power installations for a public complex of approximately 14,000 m² comprising a school, sports facilities and a 200-space car park. Distribution architecture studies, supply sizing and lighting tailored to the different uses and operating constraints.

I.E.BAT



Design with precision.
Support with exacting standards.

Electrical amounts: all electrical works for each project, not broken down by discipline.

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Building electrical engineering