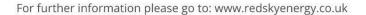
# Red Sky





# Systems Completion & Startup - European Defence Facility







### **Systems Completion & Startup - European Defence Facility**

**Client**: European Defence Authority **Location**: Europe **Project Type:** Power Generation Systems Completion & Startup **Partner:** Red Sky Energy (RSE)

#### **Delivery Overview**

RedSky Energy (RSE) was engaged to deliver systems completion, startup, and mission-critical service testing at a high-security power generation site within a European defence facility.

For further information please go to: www.redskyenergy.co.uk





#### The site infrastructure included:

- Multiple diesel generators
- High voltage (HV) switchboards
- Frequency converters
- Integrated Power Management Systems (PMS)

The facility's performance and reliability were essential to supporting defence operations, making safe execution and precise startup critical to project success.

#### Challenges

The main contractor had limited experience in system completions and startup procedures, resulting in gaps in planning, traceability, and testing coordination. The key challenges included:

- Absence of a structured completions framework
- Lack of familiarity with regulatory and operational startup procedures
- ✤ High sensitivity of the defence environment, requiring strict regulatory compliance (e.g., ITAR)





#### Solution

RSE deployed its proven Completions Management System (CMS) to lead the testing and commissioning process. This approach ensured:

- Structured inspection and functional testing of all generation units and HV frequency converters
- Clear work package definition and traceable execution
- Sequenced load testing, synchronization, and load sharing validation
- Accelerated progress through tested workflows and automated tracking

RSE also implemented strict ITAR compliance controls, including:

- Controlled access to sensitive documentation
- Secure data handling and audit trails
- Full coordination with multinational stakeholders to ensure legal and procedural adherence



#### **Implementation Approach**

Collaborative Execution: RSE worked hand-in-hand with a multinational team under controlled access conditions.

- Phased Commissioning: Systems were tested individually before progressing to integrated performance testing.
- Compliance & Security: Full alignment with ITAR and internal defence security standards.

#### Results

- Project completed ahead of schedule
- All power generation and control systems tested and operational
- Successful synchronization and load sharing achieved
- Zero compliance breaches in a regulated defence environment

The application of RSE's structured CMS enabled a fast, secure, and quality-focused execution—reinforcing its suitability for sensitive, mission-critical environments.





#### Conclusion

RedSky Energy's deep expertise in systems completions, startup, and regulated execution proved critical to the success of this defence infrastructure project.

By applying a robust, compliant methodology and collaborating effectively with a multinational delivery team, RSE delivered a benchmark project that strengthened infrastructure resilience and operational readiness in one of Europe's most secure environments.





## Thank you

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