



PRISMECS

GREECE

150MW LM6000 PC UNITS RELOCATION PROJECT

A Showcase of Expertise, Precision, and
Success

www.prismecs.com

150MW PROJECT IN GREECE
SHOWCASES OUR DEDICATION,
EXPERTISE, AND EXCELLENCE.

**FROM INSPECTION TO
INSTALLATION, IT HIGHLIGHTS
METICULOUS PLANNING,
CHALLENGES OVERCOME, AND KEY
SUCCESSSES**

WHERE EPC IS **DRIVEN BY INTEGRITY**

Your preferred partner for exceptional supply chain and engineered solutions

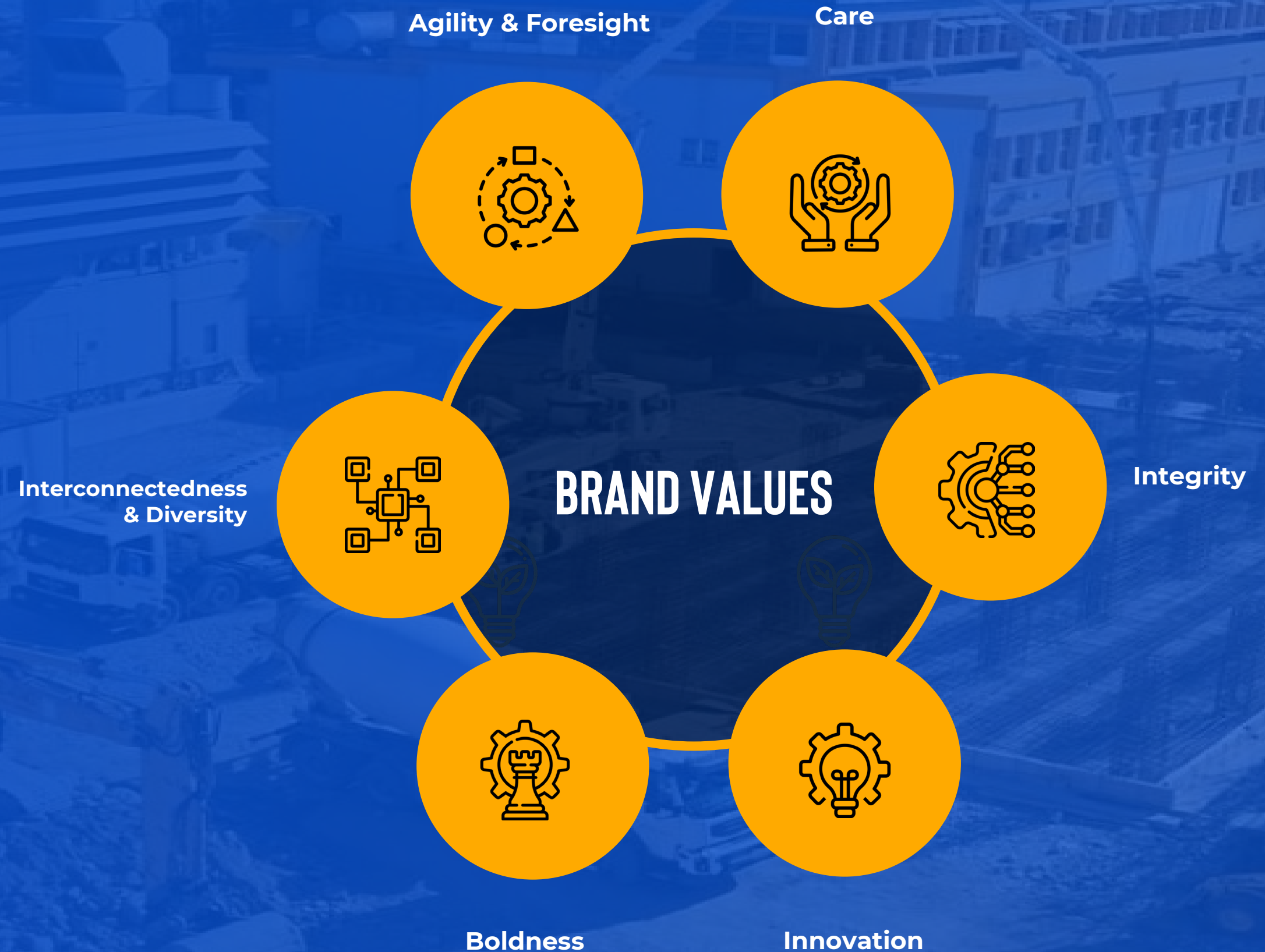


MISSION

Utilizing diverse expertise and technology for innovative local and global solutions, we foster interconnectedness and knowledge sharing to turn potential into success

VISION

Prismecs aims to drive industrial innovation through the integration of diverse expertise and technology, contributing to a smarter, interconnected global community.



INSPECTION TO INSTALLATION LM6000PC UNITS

150MW LM6000 PC Units Relocation Project

The 150MW Project in Greece showcases our commitment to excellence, expertise, and dedication. This story highlights its journey from inspection and decommissioning to the installation phase, focusing on the processes, challenges overcome, and key successes.

The initial inspection laid a strong foundation, ensuring smooth progress and achieving significant milestones.

- Conducted a thorough site inspection, evaluating existing LM6000PC units, auxiliaries, and BOP systems to identify potential issues.
- Performed an extensive site visit in March 2024, documenting wear, corrosion, and mechanical concerns in detail.
- Produced a comprehensive overview with detailed photographs and technical assessments to guide future phases.



DECOMMISSIONING PROCESS

150MW LM6000 PC Units Relocation Project

After the inspection, we transitioned to the decommissioning phase, focusing on safely dismantling the three LM6000PC units. A detailed plan and Material Take-Off (MTO) outlined essential steps, timelines, and resources. Strict safety protocols ensured minimal site disruption. The process upheld the highest standards of safety and efficiency.

The decommissioning phase presented unexpected technical and logistical challenges

- Our team leveraged collective expertise and innovative problem solving to address these obstacles.
- The solutions we implemented ensured the project remained on track and on schedule.
- We provided a transparent snapshot of progress, keeping all stakeholders informed.



ISSUES FACED AND MITIGATED

150MW LM6000 PC Units Relocation Project

We tackled scattered documentation by implementing a systematic management approach and thoroughly reviewing electrical and instrumentation as-builts. Starting from the ground up, we developed a comprehensive material and equipment log, material take-off list, and tools and equipment inventory

Issues were effectively mitigated, ensuring smooth progress and significant milestones in installation.

- Designed and fabricated custom solutions for missing lifting trunnions and generator locking rings.
- Developed an integrated project and communication management plan to tackle language barriers and space constraints.
- Implemented a just-in-time delivery schedule for seamless execution and minimal disruption on Crete island.



INSTALLATION AND COMMISSIONING

150MW LM6000 PC Units Relocation Project

With the decommissioning phase complete, we transitioned to the installation of LM6000PC units, requiring precise coordination and execution. Our detailed installation plan included step-by-step guidance, technical specifications, and strict safety protocols. The team followed the plan meticulously, ensuring accuracy and efficiency. This approach resulted in a smooth installation process.

The decommissioning phase presented unexpected technical and logistical challenges.

- Successful installation of the first LM6000PC unit, with electrical and mechanical connections in progress.
- Ongoing installation of the second unit, with structural assemblies nearing completion.
- Preparation for the installation of the third unit, with materials and equipment on-site and ready for assembly.



CONCLUSION

150MW LM6000 PC Units Relocation Project

The first two units of the 150MW power plant are nearing mechanical completion. Our team remains dedicated to ensuring the highest standards of safety and quality through expert guidance and on-site supervision, which is conducted daily. This proactive approach has not only ensured smooth installation but has also strengthened our relationship with the customer.

The installation is progressing smoothly, with significant milestones successfully achieved.

- Showcased meticulous planning, collaborative teamwork, and commitment to excellence.
- Set a new benchmark for future projects by tackling complex challenges effectively.
- Delivered exceptional results, reinforcing the ability to handle large scale initiatives



FIRST UNIT (KVAERNER, NORWAY)

DECOMMISSIONING | APR 2024 – JUL 2024



Inspection Visit

- Inspection Visit in Feb 2024
- Plant is operational



Removal of Top Boxes



Removal of Gearbox, Skids, etc.



Jul 2024

- Transportation of Main Package

FIRST UNIT (KVAERNER, NORWAY)

INSTALLTION AND COMMISSIONING | OCT 2024 ONWARDS



Installation of Packages

- Completion of Civil Foundations
- Equipment arrival
- Placement on foundation
- Mechanical, Electrical and Instrumentation works

Leveling Checks

Installation of Top Boxes and Platforms

Nearing Mechanical Completion

SECOND UNIT (HOUSTON, NORWAY)

DECOMMISSIONING | APR 2024 - JUL 2024



Inspection Visit

- Inspection Visit
- Plant is Operational

Removal of Top Boxes

Readiness of Packages for Transportation

Jul 2024

- Transportation of Main Package

FIRST UNIT (KVAERNER, NORWAY)

INSTALLTION AND COMMISSIONING | OCT 2024 ONWARDS



Inspection of Visit

- Inspection Visit in Feb 2024
- Plant is operational

Installation of Main Packages

Installation of Top Boxes

Nearing Mechanical Completion



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POWERING THE WORLD

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