

Experienced & Reliable Partners, since 1993

A large industrial facility, likely a refinery or chemical plant, is shown at night. The complex is illuminated by numerous bright lights, creating a stark contrast against the dark blue and purple twilight sky. The structure consists of multiple levels of steel frameworks, pipes, and tall distillation columns. A prominent, tall, dark chimney stands in the middle ground. The overall scene conveys a sense of industrial scale and continuous operation.

HYPERION SYSTEMS ENGINEERING

ENGINEERING A BETTER WORLD

SAFE, EFFICIENT, SUSTAINABLE

Certified Innovative SME



DEPUTY MINISTRY OF
RESEARCH, INNOVATION
AND DIGITAL POLICY
REPUBLIC OF CYPRUS

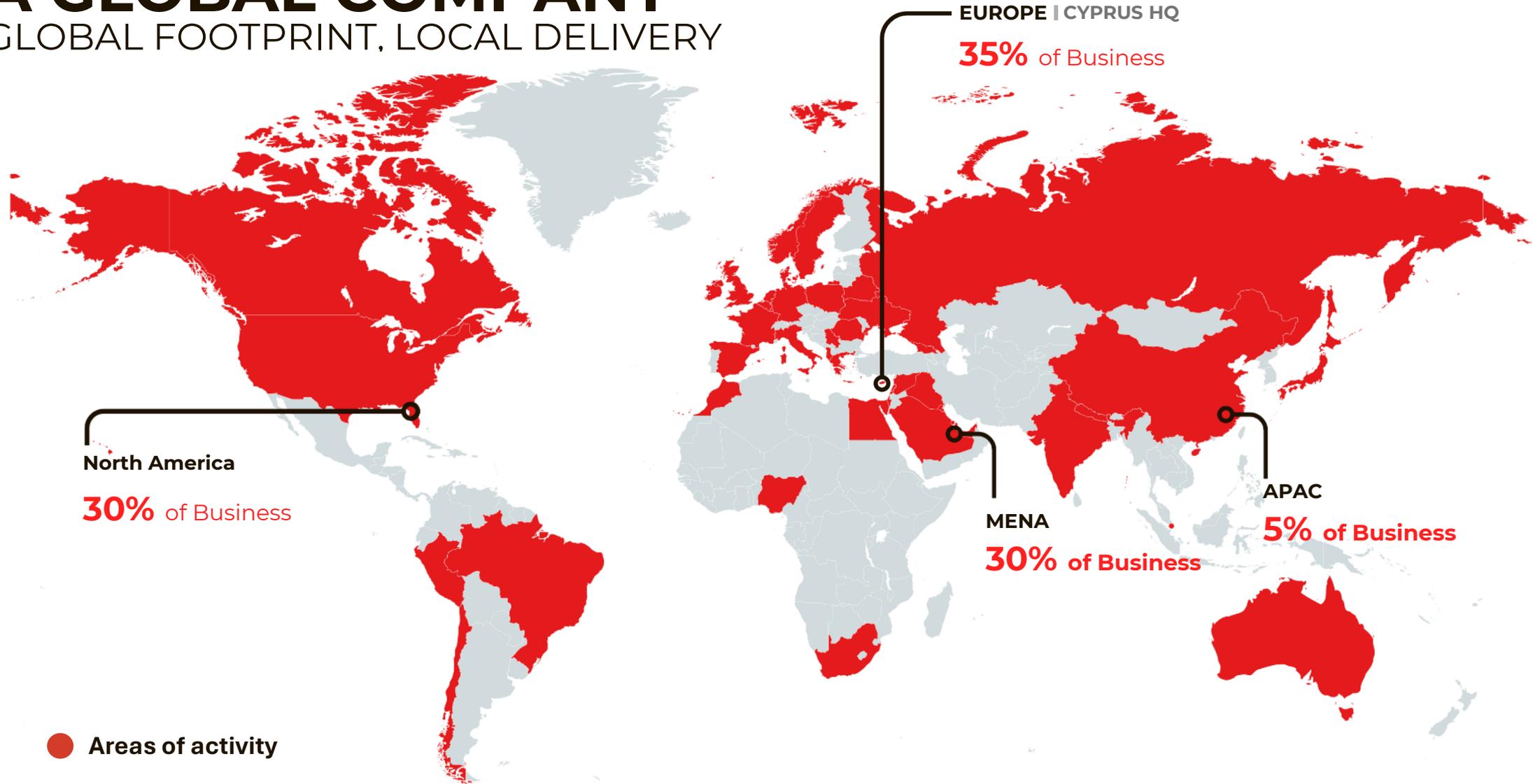
TUVNORD
TUV CYPRUS LTD

ISO 9001

tuv-nord.com/cy

A GLOBAL COMPANY

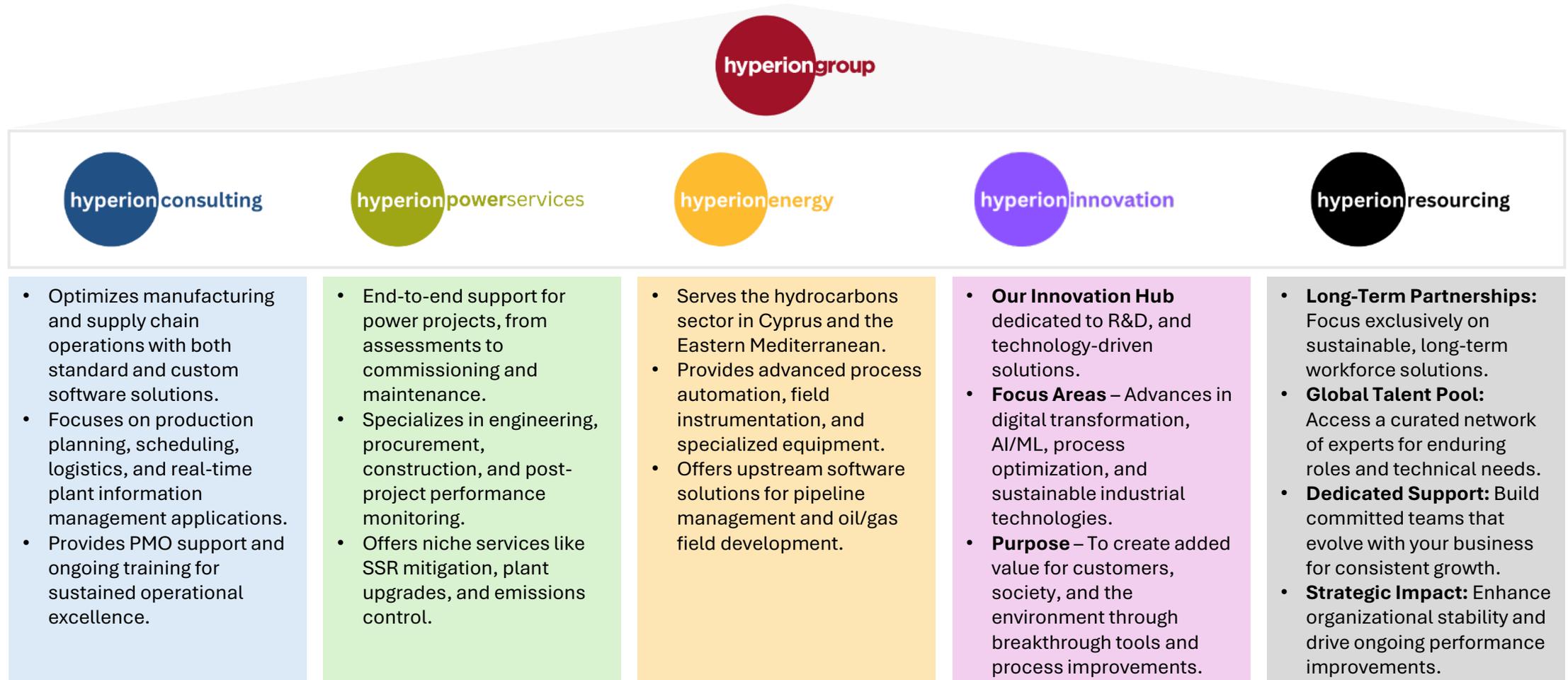
GLOBAL FOOTPRINT, LOCAL DELIVERY



● Areas of activity

Our Organization

Hyperion provides engineering advisory, and consulting services and implements advanced industrial IT/OT, engineering and technology solutions in the hydrocarbons, chemicals and power generation industries.



DELIVERING EXCELLENCE

GLOBAL REACH, MEASURABLE IMPACT

Repeat Customers

90%

Countries Operated

50+

Projects Delivered

500+



Domain Industry Expertise

Our experts and engineers are always committed to understanding **Strategic** and **Operational Goals** and setting every project, whether a point solution or a large digital transformation initiative, for success with **measurable results** and **clear ROI**.



Oil & Gas
Upstream /Midstream



Petroleum
Refining



Petrochemicals
& Plastics



Chemicals



Power Utilities
& Renewables



Steel &
Aluminum



Cement



Pharma / Life
Science



Food &
Beverage

OUR CAPABILITIES

FROM STRATEGY TO EXECUTION



Strategic Consulting

Guidance for Program Success

- Understand organizational and stakeholders' business objectives
- Business case development, set expectations, critical success factors
- Budget development
- Roadmapping, milestones and metrics
- Executive workshops



Technology Audits & Planning

Foundation for Growth

- IT/OT FEED studies
- Technology audits to assess infrastructure and enhance system performance
- Topology and redundancy IT architecture studies to ensure reliability
- Conceptual and technical workshops for client teams
- Change management



Software Implementation

Solutions for Real-Time Control & Optimization

- Advanced automation control systems
- Real-Time monitoring and reporting
- MES, MOM, Production Accounting & Batch Tracking
- Digital twins for process simulation & optimization
- Production planning, scheduling & blending optimization
- Primary & secondary hydrocarbon distribution optimization
- AI enabled Asset Performance Management
- System integration



Ongoing Support & Maintenance

Sustaining Operational Excellence

- System upgrades and migrations, ongoing application and software maintenance
- End-user and system administration training
- Long-term support services, including troubleshooting and performance optimization for continued operational success
- Remote monitoring and proactive issue resolution to prevent system downtime

OUR GLOBAL TEAMS

Digitally-enabled business consultants, strategists

- Digital and tech-savvy business consultants from the Technology Advantage and Energy practices
- Focus on Business Impact
- Technical domain industry knowledge
- Experts in change management

Data scientists and analytics experts

- Data scientists, engineers, analysts
- Best in class
- Advanced Data Analytics
- On the job enablement of client teams

Tech & Digital experts, architects and engineers

- Tech/digital experts, architects & engineers
- Tech architecture, design & implementation
- IT legacy and digital integration & solutions

Power & Infrastructure experts, consultants, engineers and executives

- Experts in power systems engineering and grid integration
- Specialists in renewable energy, storage, and interconnectors
- Advisory on regulatory frameworks and market design
- Project management for complex energy infrastructure
- Technical and financial feasibility studies

Business builders

- Specialists: entrepreneurs, designers, product managers and engineers
- Corporate venture capital

Strategic/Technology

Key allies, combining resources and expertise to achieve lasting growth and long-term success in competitive markets.



R&D



R&D partners pool expertise and resources with our company to drive innovation and develop cutting-edge solutions.



PARTNERS

Technical Alliance

Partners extend our skills, expertise, and resource capacity, enabling us to scale operations and meet specialized demands efficiently.



Principals

Key suppliers whose products we resell, enhancing our flexibility and diversity to broaden our offerings across specific geographies.



FROM PLAN TO PERFORMANCE ENDURING WORKFORCE SOLUTIONS



Access Global Talent Pool

Access to a larger, more talented pool of professionals.



Improve bottom line performance

Beyond reducing SG&A by 15-25%, outsourcing strategic support, increasing an organization's agility and resilience. Ensure that operations continue even in the case of unforeseen circumstances.



Boost Efficiency and Productivity

Allow business owners to focus on their core activities while outsourcing the routine and repetitive tasks. This increases efficiency and productivity.



Accelerate Transformation Programs

Help businesses reduce their risks, minimize time-to-value while ensuring the tasks are being done first time right with specific skills and expertise.



Strategic Partnership for Growth

In the evolving market conditions, businesses need a holistic approach and strategic partners to navigate challenges.

TAILORED RESOURCES FOR LONG-TERM SUCCESS

HOW WE CAN OVERCOME THE TALENT SHORTAGE

Assessment of Needs

Begin with a detailed consultation to fully understand the client's project requirements, technical needs, and objectives.

Industry-Aligned Screening

Leverage screeners with relevant industry experience to assess and shortlist candidates with the right technical expertise.

Customized Resources Selection

Curate a tailored team with the specific skills sets and competencies required for the client's long-term success.

Onboarding & Integration

Facilitate a seamless onboarding experience, integrating the team with client workflows for quick, productive engagement.

Continuous Performance Management

Provide ongoing oversight, support, and performance reviews, allowing for adaptability as project needs evolve.

HYPERION SYSTEMS ENGINEERING

Technology and Engineering for a Better World

Experienced & Reliable Partners, since 1993



Hyperion Group Organizations



Sep 2025



HYPERION Consulting



Enhancing Your Manufacturing and Supply Chain Success

1

Comprehensive Solutions

Tailored advisory services and cutting-edge technology to maximize operational efficiency, profitability, and safety.

2

Outcome-Focused Services

From production planning, scheduling and logistics to real-time information management and advanced control, to ensure continuous improvement and operational excellence.

3

Expert Implementation

Utilize proven software through personalized implementation strategies, supported by in-house expertise and comprehensive program management.

4

Continuous Support & Growth

Our Commitment extends beyond initial solution delivery, offering ongoing training and support to ensure enduring success.

Driving Operational Excellence with Customized Solutions

HYPERION Consulting

Long-Term Engagements



2016 2017 2018 2019 2020 2021 2022 2023 2024 2025

HYPERION Resourcing

Resourcing Capabilities & Competencies

- Software Developers
- Automation & Control Engineers
- Manufacturing Execution Systems Experts
- Process Modelling and Optimization Engineers
- Integration Specialists
- Feasibility and due diligence specialists
- Data Validation and Reconciliation Engineers
- Laboratory Information Systems Consultants
- Supply Chain Planning and Scheduling Consultants

Expert Solutions. Technical Excellence.



HYPERION Consulting/Resourcing



DANIELI AUTOMATION Software Developers
Automation & Control Engineers
Project Delivery Engineers

HELLENiQ ENERGY Planning/Scheduling Consultants
MES Consultants; Project Managers

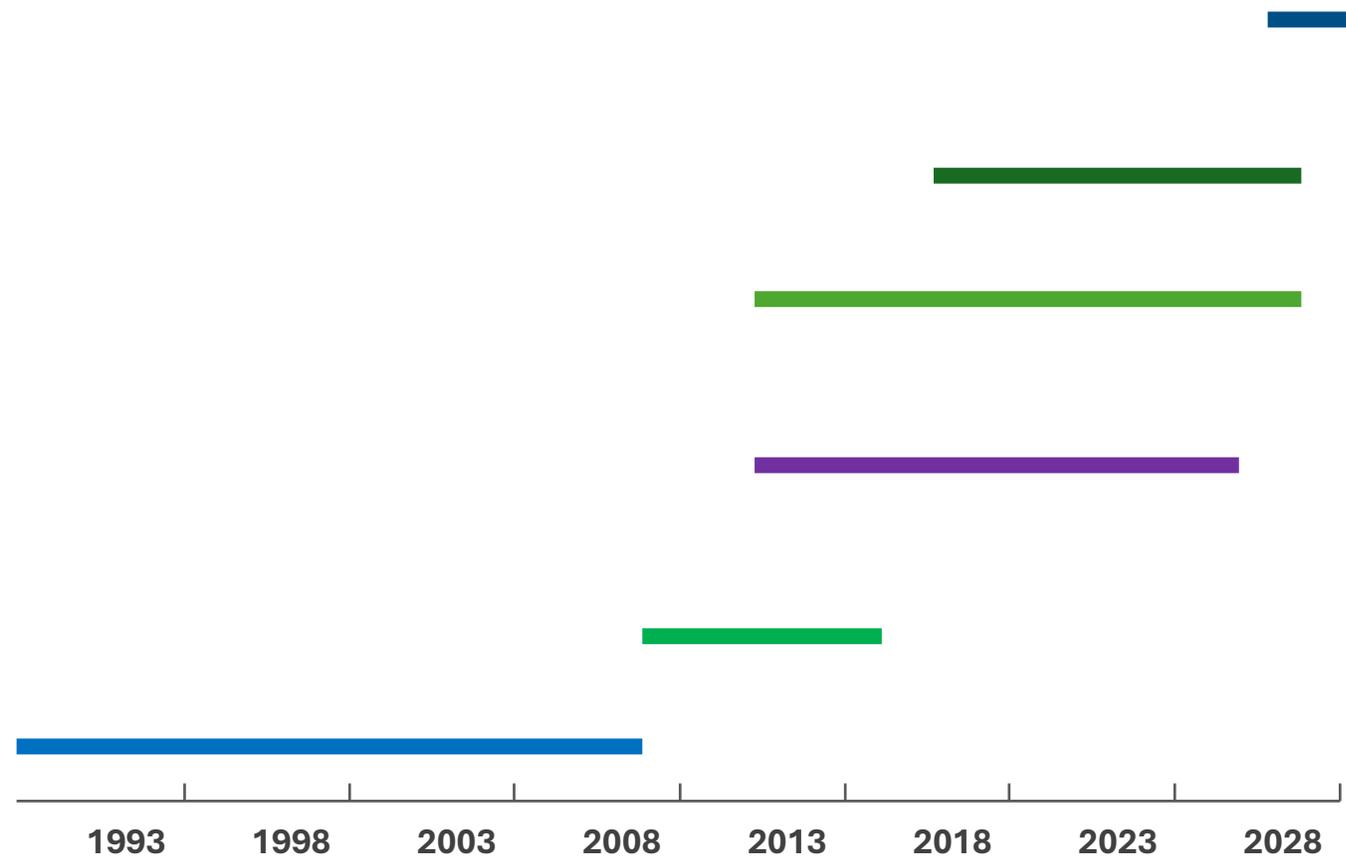
elpedison MES Application and System Integration;
Advanced Solutions

KNPC Planning/Scheduling Consultants;
MES Consultants
Process Simulation Specialists;
Integration Specialists

inkia ENERGY Subject Matter Experts
Owners Engineers Resources
Feasibility and due diligence specialists

Schneider Electric Dynamic/OTS Simulation
Engineers
invenys

aspentech Dynamic Simulation Engineers
Manufacturing Suite Specialists (MES,
APC, Planning/Scheduling etc.)



HYPERION Energy



Energizing Regional Development with Advanced Energy Solutions

1

Mission-Driven Excellence

Aiming to be the leading provider of expert services, technology, and equipment in the Process, Power Generation, and Hydrocarbons Industries across Cyprus and the Eastern Mediterranean

2

Advanced Technology Solutions

- Comprehensive SCADA systems and control software.
- Robust field and process instrumentation technologies
- Specialized Software for pipeline and gas/oil field management.

3

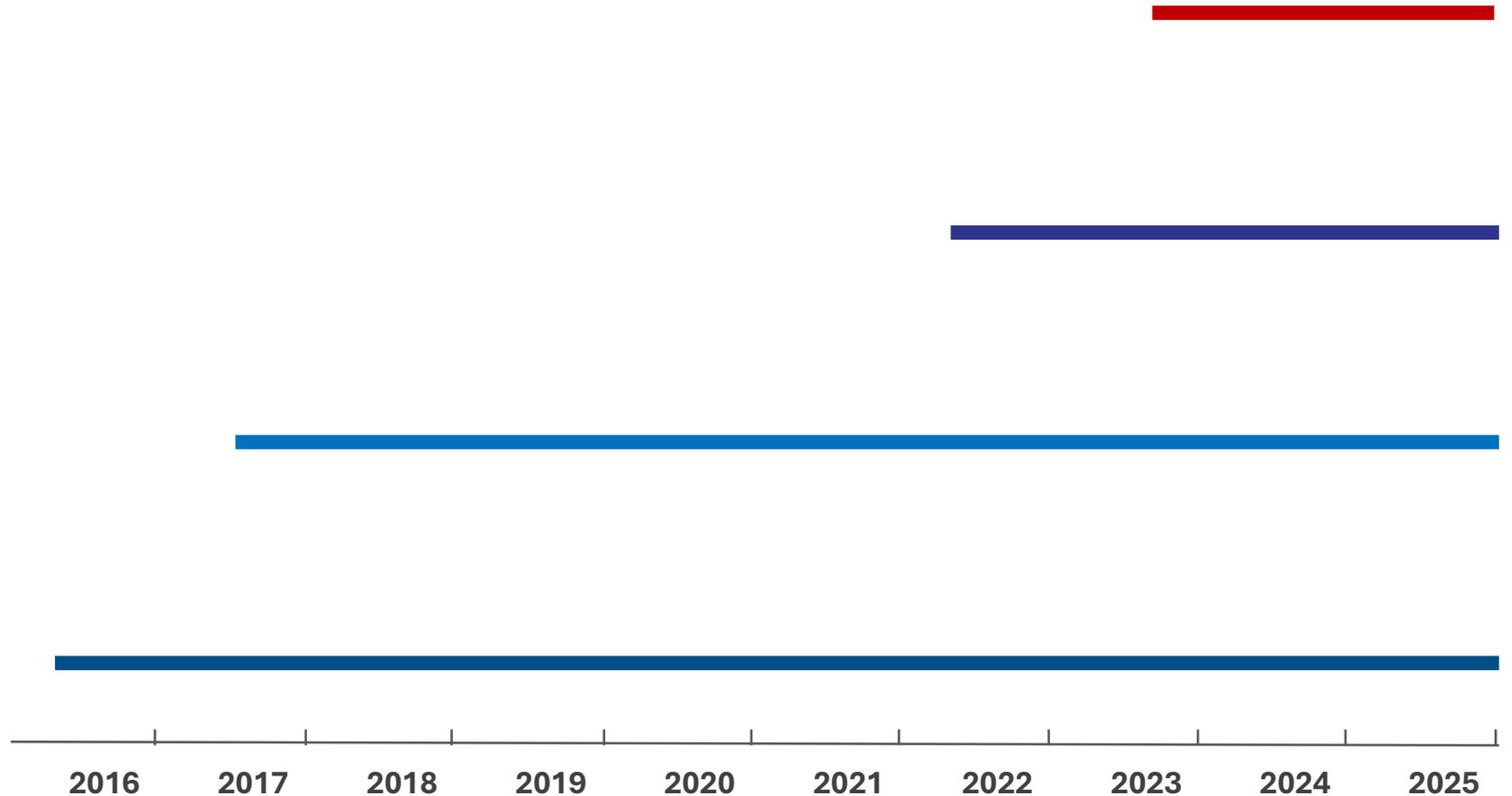
Customized Engineering Applications

- Custom built process unit fabrications and system simulations
- Extensive safety and control systems including fire, gas, and emergency shutdown mechanisms.
- Infrastructure for efficient energy management and material transfer.

Powering Progress in Energy: Innovative Solutions for the Eastern Mediterranean

HYPERION Energy

Long-Term Engagements



HYPERION Power Services

Enhancing Your Manufacturing and Supply Chain Success

1

Vision and Leadership

Aiming to become the trusted leader in engineering solutions across the power sector, including generation, transmission, and distribution.

2

Expert Team

From power systems engineering and grid integration to advisory services on M&A support and regulatory & market design to project management for capex investments

3

Full-Spectrum Services

Technical & financial feasibility studies to full Owner's Engineer services for green and brown field projects, niche technical services such as noise and vibration analysis, to root-cause investigation on incidents

4

Commitment to Ethics and Sustainability

Our Commitment extends beyond initial solution delivery, offering ongoing training and support to ensure enduring success.

Energizing Innovations in Power Generation

HYPERION Power

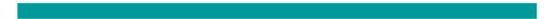
Long-Term Engagements



inkia
ENERGY



SIEMENS



SNC • LAVALIN



HYPERION Innovation



Proprietary IP



HYPPOS (Hyperion Predictive Production Online Software) is Hyperion's flagship digital innovation: an AI-powered, digital-twin-based platform designed to optimize production in the process industries, with a strong track record in polymer manufacturing. It integrates real-time plant data with advanced machine learning models and soft sensors to predict product quality, detect anomalies early, and guide operators in making faster, more accurate decisions. By reducing waste, improving efficiency, and enabling proactive interventions, HYPPOS delivers measurable gains in productivity and sustainability—helping manufacturers bridge the gap between traditional operations and Industry 4.0.



EMBED-AI is a one-year collaborative project between **Hyperion Systems Engineering Ltd.** and **The Cyprus Institute**, funded by the **Research & Innovation Foundation of Cyprus**, designed to revolutionize polymer production through applied artificial intelligence. The project developed advanced machine learning algorithms and **soft sensors** to predict material quality in real time, using historical plant data for training and live instrumentation for monitoring. These innovations were seamlessly integrated into **HYPPOS**, Hyperion's AI-driven digital twin platform, enabling instant quality tracking, predictive insights, and precise mapping of polymer characteristics across production. The outcome is a significant step toward smarter, more sustainable, and data-driven manufacturing in the polymer industry.



PSTS is an end-to-end shipment management platform designed to optimize export and import operations, reduce demurrage costs, and enhance transparency across the supply chain. It streamlines the entire process—from shipment nomination, tank allocation, and cargo readiness, to vessel activity logging and post-operation reporting—while providing real-time tracking, berth status updates, and advanced analytics for delay analysis and customer satisfaction. With blockchain integration, PSTS delivers tamper-proof documentation, smart bills of lading, and remote approvals, eliminating manual delays and paperwork. The result is measurable efficiency: up to 30% reduction in demurrage, 40% time savings, and significantly improved accountability and stakeholder coordination.



HYPERION Innovations

Competitively Funded Research 2000 - 2025

Certified Innovative SME



DEPUTY MINISTRY OF
RESEARCH, INNOVATION
AND DIGITAL POLICY
REPUBLIC OF CYPRUS



Programme	Grant Agreement ID	Proposal Acronym	R&D Partners	Total Budget	HSE Funding Intensity	Start Date	End Date	
EU CSC - Cost-sharing contracts	ENK5-CT-2000-00063	LOTHECO	1	€ 680,371	No Data	01/2000	03/2003	
EU CSC - Cost-sharing contracts	ENK5-CT-2000-00311	BIOHPR	2	€ 2,760,594	No Data	01/2001	08/2004	
Support of Business Innovation (Cyprus MECI)	No. 8.1.12.13.3.3.48	OLPA	-	€ 326,753	€ 196,052	10/2015	04/2017	
Horizon 2020 Framework Programme	763558	SIMDAS	3	€ 396,750	€ 22,500	09/2017	08/2018	
Horizon 2020 - 2 nd Opportunity	OPPORTUNITY/0916/SME-II/0005	HYPPOS	-	€ 1,141,200	€ 700,000	10/2018	10/2020	
Horizon 2020 Framework Programme	878950	OffshoreMuster	4	€ 2,246,288	€ 392,875	11/2019	02/2022	
EUROCC	-	HYPPOS-ML Smart Sensors	5	€ -	€ -	08/2021	08/2021	
Research in Enterprises Bridge Programme	ENTERPRISES/0521/0175	EMBED-AI	5	€ 314,300	€ 199,780	06/2022	05/2023	
Restart 2016-2020	PHD IN INDUSTRY/1124/0080	AI-SS	5	€ 187,332	€ 148,887	09/2025	09/2028	
				TOTAL	€ 8,053,588	€ 1,660,094		



HYPERION Innovations

Research & Development Partners

- 1. Public Power Corporation (Greece), Electricity Authority of Cyprus (Cyprus), Fichtner GMBH & CO KG (Germany), Frederick Institute of Technology (Cyprus), Hyperion Systems Engineering Ltd. (Cyprus), Imperial College of Science, Technology and Medicine (United Kingdom), National Technical University of Athens (Greece), Polytechnical University of Timisoara (Romania), Sofia Energy Centre Ltd. (Bulgaria), Technische Universitaet Braunschweig (Germany), Vienna University of Technology (Austria)**
- 2. Technical University of Munich (Germany), Budapest University of Technology and Economics (Hungary), Deutsche Montan Technologie GMBH (Germany), Hyperion Systems Engineering Ltd (Cyprus), Luft und Feuerungstechnik GMBH (Austria), National Technical University of Athens (Greece), Oskar Von Miller – Conception, Research and Design Institute for Thermal Power Equipment (Romania), Saar Energie GMBH (Germany), Universitaet Stuttgart (Germany)**
- 3. The Cyprus Institute (Cyprus), Forschungszentrum Julich GMBH (Germany), Ministry of Transport, Communications and Works (Cyprus), Ministry of Agriculture, Rural Development and Environment of Cyprus (Cyprus), Ministry of Health of the Republic of Cyprus (Cyprus), Hyperion Systems Engineering Ltd (Cyprus), SignalGenerix Ltd (Cyprus)**
- 4. SignalGenerix Ltd (Cyprus), I. Panaretou – Char. Kostopoulos OE (Greece), CSEM Centre Suisse D’Electronique et de Microtechnique SA – Recherche et Développement (Switzerland), Hyperion Systems Engineering Ltd (Cyprus)**
- 5. Cyprus Institute (Cyl)**

HYPERION Strategic Projects

Strategic Energy & Infrastructure Development in the Eastern Mediterranean

Strategic
Projects

Pursuit of Excellence: Hyperion champions the development of onshore and offshore energy, infrastructure, and utilities across the East Mediterranean.

Collaborative Expertise: We leverage partnerships to foster project growth, from conception to execution.

Core Capabilities:

- **Electricity Interconnectors:** Expert installation of HVDC systems.
- **Surveys & Analysis:** Comprehensive onshore, nearshore and offshore geophysical, crossing, and geotechnical surveys.
- **Route Clearance:** Ensuring safe and efficient project paths.

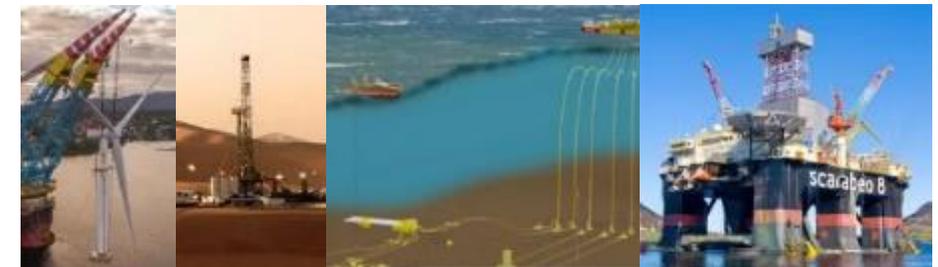
Engineering Solutions:

- Offering complete engineering services – from feasibility studies to detailed engineering designs for various sectors including Oil & Gas, Refinery, Petrochemical, Fertilizer, and Renewable Energy projects.

Lifecycle Support: Dedicated support across all project stages, guaranteeing success and sustainability.

Innovative Technologies:

- **Large Project Development:** Specialized services to bring grand-scale projects to fruition.



HYPERION SYSTEMS ENGINEERING

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Case Studies & Testimonials

Sep 2025



Case Studies



(Global Energy Partner)



Scope

Full MES and Supply Chain Management Suite Operations

Software Development & PCS7 Configuration

Dynamic Simulation Team Assembly

In House: SCM & APM resources with IT for Digital Transformation Background

Value

End-to-end management and optimization of Manufacturing Execution Systems across complex refinery operations

Enhanced automation solutions by supporting PLC/SCADA development and Siemens PCS7 systems integration

Delivering a dedicated team of simulation experts to support real-time modeling, operator training, and engineering studies

Enhanced planning, scheduling, and asset performance at HELLENiQ Energy to boost efficiency and reliability

Testimonials



DANIELI AUTOMATION

“We started our collaboration with Hyperion approximately two years ago with the purpose of extending our technical office with resources combining software development capabilities with process industry knowledge and experiences. The relationship has been smooth and productive from the very beginning, with the assigned team leaders playing a key role with their professionalism and responsiveness to our needs. Today, thanks also to Hyperion’s effective and proactive communication attitude, we’re working as a unique distributed team.”

Andrea Merluzzi
Vice President Digital Solutions

Testimonials



“For over 10 years, our Manufacturing Optimization Group at KNPC has been successfully cooperating with Hyperion Systems Engineering for the provision of onsite resident engineering resources to support and enhance a range of refining software applications.”

Fahad Salem Saad Albathani

Senior Engineer, Technology Support, Manufacturing Optimization Group (MOG)

Testimonials



“For more than 6 years we have been using Hyperion resources to enhance our technical capabilities through staff augmentation, to secure expertise in advanced technology solutions and ensure the proper and seamless functioning of our MES applications in the manufacturing process and their integration with other plant critical systems. Dedicated Hyperion resources ensure the smooth operation of our systems and contribute through minor modifications and system extensions. This collaboration allows ELPEDISON to meet specific operational needs efficiently with the flexible and high quality outsourcing managed services offered by Hyperion.”

Pericles Tsoutsanis
IT Director

Testimonials



“This letter is to express our gratitude to the Hyperion Power Services (HPS) team for the excellent support provided to Inkia Energy for more than a decade. Inkia Energy’s operations in over thirteen countries include Power Generation & Power Transmission. Throughout this time HPS has been a key allied in Inkia’s successful Operations, Maintenance and Growth of our business. We have found a timely, efficient, and effective response in all the issues that we have worked together. Some of the services provided during the years include: Project Owner’s Engineering, Technical Field services, Performance Tests definition and implementation, Efficiency studies and power plant simulation, Market studies for new products or services, Power Augmentation projects, Staff Training, Process Engineering, problem solving such as Sub-synchronous Resonance, Generator issues and best practices. We feel comfortable and assured that we will receive the right support from HPS regardless of the issues at hand. HPS is part of our success and continues effort for improvements.”

Francisco Sugranes
CTO

Hyperion Consulting

Recent Projects



Customer	KNPC
Location	Kuwait
Project	Multi-year, on-site support program for AT Refining Applications
Term	2012 - 2027



Customer	BOROUGE
Location	Abu Dhabi
Project	<ul style="list-style-type: none"> Batch Tracking & OLPA IT/OT Feed Studies PMO Establishment
Term	2003 - 2026



Customer	LUBEREF
Location	Saudi Arabia
Project	Production Planning & Scheduling Optimisation (multiple phases)
Completed	2017, 2018, 2022



Customer	KIPIC
Location	Kuwait
Project	Refinery & LNG Imports Terminal Production Scheduling Applications
Term	2025



Customer	ADNOC Refining
Location	Abu Dhabi
Project	Petroleum Refinery (3 plants) Scheduling Applications
Term	2016 - 2018, 2021



Customer	SABIC / Saudi Kayan
Location	Saudi Arabia
Project	<ul style="list-style-type: none"> Batch Tracking Operational Workflows Automation
Completed	2017, 2018



Customer	KPC
Location	Kuwait
Project	Country-wide Global Planning Optimisation System & Support
Term	2025 - 2028



Customer	Water Development Dept
Location	Cyprus
Project	Laboratory Information Management Systems Deployment Support & Enhancements
Term	2017 - 2026



Customer	ELPEDISON
Location	Greece
Project	Real-time MES Systems applications installation & support/extensions
Term	2018 - today

Hyperion Energy

Recent Projects



Customer	Petrolina Holdings – New Vasiliko Terminal
Location	Cyprus
Project	Terminal Automation: Tank Gauging, DCS/ESD, F&G Detection.
Completed	Phase 1 (2015) Phase 2 (2020) Technical Support & Extensions (to-date)



Customer	Cyprus Water Development Dept.
Location	Cyprus
Project	Supply on-line Water Property Analyzers
Completed	2020



Customer	LAFS – Larnaca Aviation Fueling System
Location	Cyprus / LCA Airport
Project	Terminal Automation: Tank Gauging, DCS/ESD, F&G Detection.
Completed	2017



Customer	TETCO - Tahan Engineers & Contractors
Location	Cyprus
Project	Supply of Double Block & Bleed Valves (LCA Airport Tank Farm).
Completed	2016



Customer	Caramondani Desalination Plants Ltd.
Location	Paphos, Cyprus
Project	Process Control and SCADA systems
Completed	2021



Customer	V-LPG JV LPG Terminal (TETCO EPC Contractors)
Location	Cyprus
Project	<ul style="list-style-type: none"> Safety & Control Systems Tank Gauging & HLA Systems Truck Loading Flow Control Systems
Term	2021-2022 Project Technical Support & Extensions 2022 – to-date



Customer	VTTV – Vitol Tanks & Terminals Vasiliko
Location	Cyprus
Project	<ul style="list-style-type: none"> Hermetic UTImeters for manual level measurement (2017) Portable Gas Detectors with calibration station (2018) electrically actuated Double Block & Bleed Valves for marine jetty use (2018, 2019, 2023, 2024) Automated Tank Gauging Systems Support via Honeywell Enraf NL (2020 – 2025)
Term	2017 – today



Customer	Interserve / mitie (RAF Akrotiri Base)
Location	Cyprus
Project	<ul style="list-style-type: none"> A1 Jet Fuel Tank Level Systems (2016) Double Block & Bleed Valves (2017), (2018) Filter Water Separators for A1 Jet Fuel (2019) Multiple Custom Fabricated Fuel Storage Tanks (2021 – 2025) Technical Support Services
Term	2016 – today

Hyperion Power Services

Top Six Current Projects



Client	Valia Energía
Location	Mexico
Project	Performing a root cause analysis of the vibration issues on the Bravo River CLR TG31 drive train.
	Under Execution



Client	Inkia Energía Chile
Location	Chile
Project	Performing a root cause analysis to establish the reason for a generator failure and witness repair at factory.
	Under Execution



Client	New Fortress Energy
Location	Jamaica
Project	Performing root cause analyses to determine the reason that two SGT-800 gas turbines are having difficulty lighting off when transitioning from natural gas to Auto Diesel Fuel and failure of the supply tubes to the combustors.
	Under Execution



Client	Inkia Energía
Location	Peru
Project	Determining the best technology for capturing CO2 from the exhaust stacks of either the Kallpa (3 x 1) and Las Flores (1 x 1) combined cycle plants.
	Under Execution



Client	Confidential
Location	Peru
Project	Determining the root cause of a combustor failure.
	Under Execution



Client	SAAVI Energía
Location	Mexico
Project	Perform review and root cause analysis of magnetic chips in the lube oil sump of a TM2500.
	Under Execution



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Thank You

