

Furnishing Energy Solutions

Construction Services

Your Complete Balance-of-Plant Solution Provider

Single-point responsibility allows Construction Services to manage your entire project scope. This can drastically simplify design, development and construction, thus minimizing the chances for error.



Offshore Single Lift Modules

The above project consisted of eight modules ranging in weight from 300 to 675 tons, built for the Gulf of Mexico.



Seamless Integration

By closely integrating department operations, Construction Services can actually perform concurrent design and fabrication activities to reduce cycle time dramatically. This is important to any organization interested in quicker return on assets.

Complete and Operational System

Utilizing Solar Turbines' Construction Services organization effectively eliminates "compartmentalized" engineering. Construction Services designs, procures, fabricates and constructs the entire system – staying on the job through start-up and commissioning.



Quality

Solar Turbines is well known for continually providing world-class quality. The same is true of our Construction Services organization, with operations certified to ISO 9001 for the "Design and Construction Engineering for the Installation of Turbomachinery Systems."



Construction Services

Advanced, Experienced and Cost Effective

Construction Services has amassed significant knowledge and expertise in the areas most needed by our customers. Our professional staff knows your application fully – from gas compression to power generation both onshore and offshore.



State-of-the-Art Design

We use the latest computer design software to create 3-D models of your project. This can save time and money. Problems such as piping interferences can be eliminated with virtual "walk-throughs" early in the design phase.

Cost Effective

Construction Services is committed to providing a cost-effective, complete balance-of-plant solution to meet your specific objectives.



3-D Model Becomes Reality

3-D modeling saves time and money by anticipating problems before construction begins.



Quality inspection is part of everything we do.

Associated Products

Pre-Engineered and Ready for Your Application

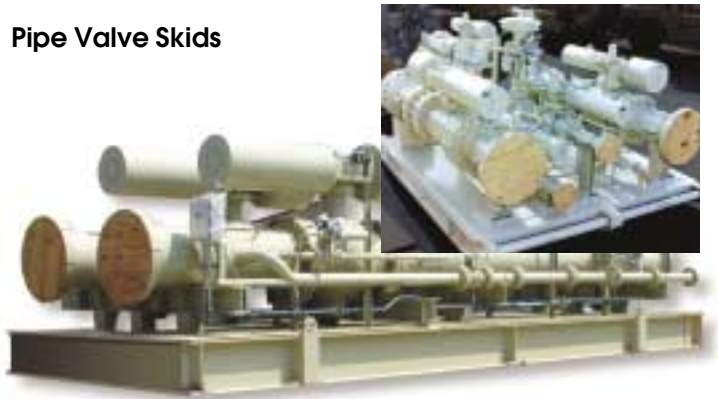
Not all projects require fully customized solutions. Construction Services has pre-engineered our most requested products, including fuel gas filtration systems, pipe valve skids and motor control centers, to save our customers time and money.



Heat Recovery Steam Generator

Pre-engineered products, such as the HRSG above, are sized to Solar's gas turbine family and ready to build.

Pipe Valve Skids



Fuel Gas Filtration Systems



Fuel Gas Compressor Systems



Motor Control Center



Switchgear

Power and Control Room Building



TurboFab Facility

Fabrication and Manufacturing



Construction Services has its own "in-house" fabricator, TurboFab, Solar's integrated fabrication and machining facility located in Channelview, Texas. The 50-acre property has more than 258,000 square feet of work space under roof and 1200 feet of waterfront access to the Houston Ship Channel, Intercoastal Waterway and the Gulf of Mexico.



Refurbishment

Expanding Life-Cycle Opportunities

Changing field conditions and equipment aging often prevent skids and modules from achieving their design objectives.

In conjunction with Solar's refurbishment facility in Mabank, Texas, Construction Services is uniquely qualified to assess your needs and to refurbish your existing equipment.



Construction Services Worldwide

Over 1000 Projects in More Than 35 Countries

Construction Services has successfully executed projects all over the globe. We have in-depth knowledge of applicable codes and standards throughout the world and are optimally positioned to meet customer needs, with regional offices in Belgium, Singapore, Australia and the United States.

In particular, our staff in Belgium provides engineering services and products such as turbine enclosures, coolers, exhaust stacks, sound attenuation solutions and more – all built to European codes and standards.



Construction Services has an outstanding work history, providing solutions for new and refurbished projects either onshore or offshore in the harshest operating environments.



Mexico
Single Lift
Modules
Offshore



Mexico
Compression
Station
Onshore



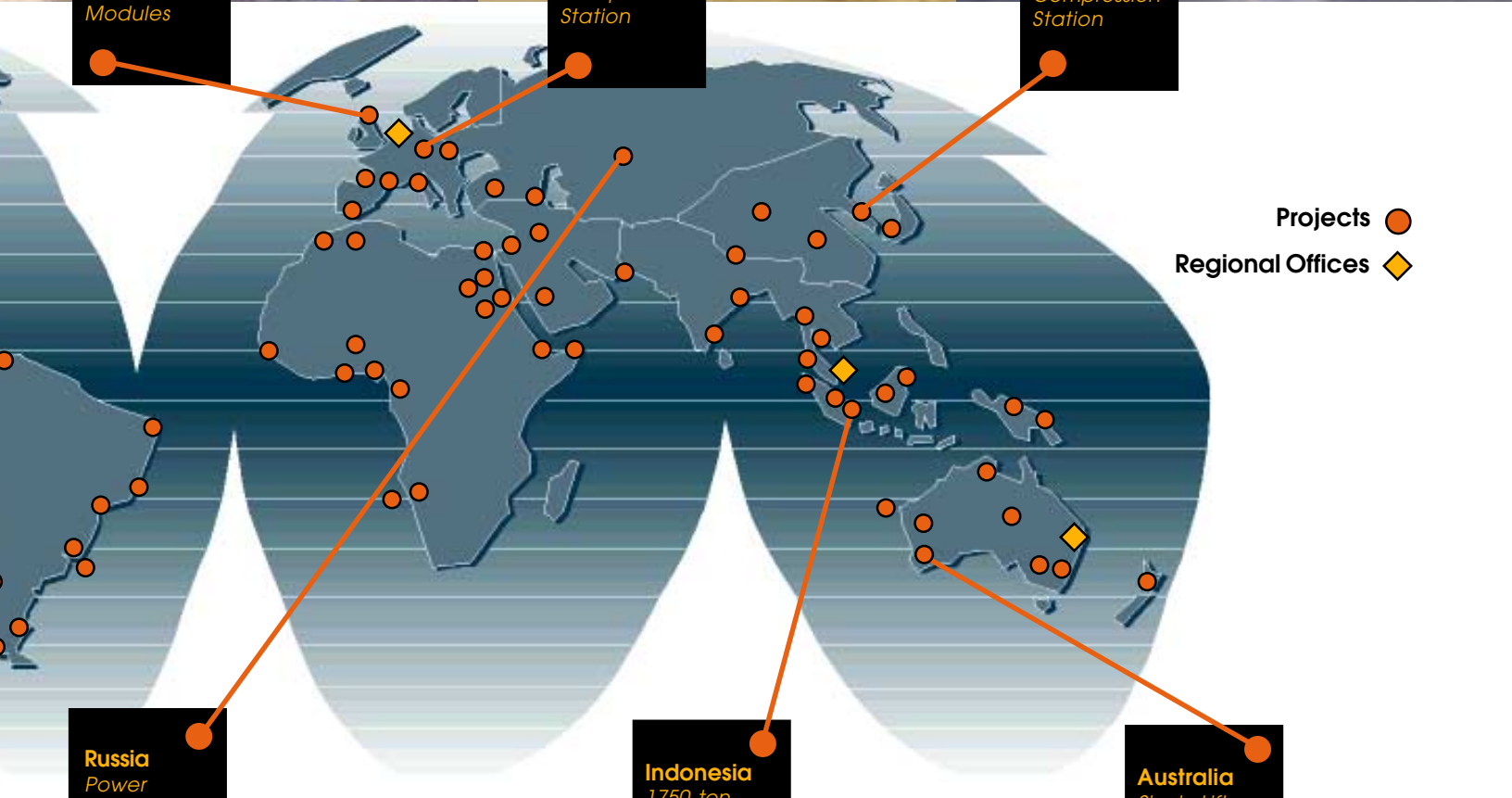
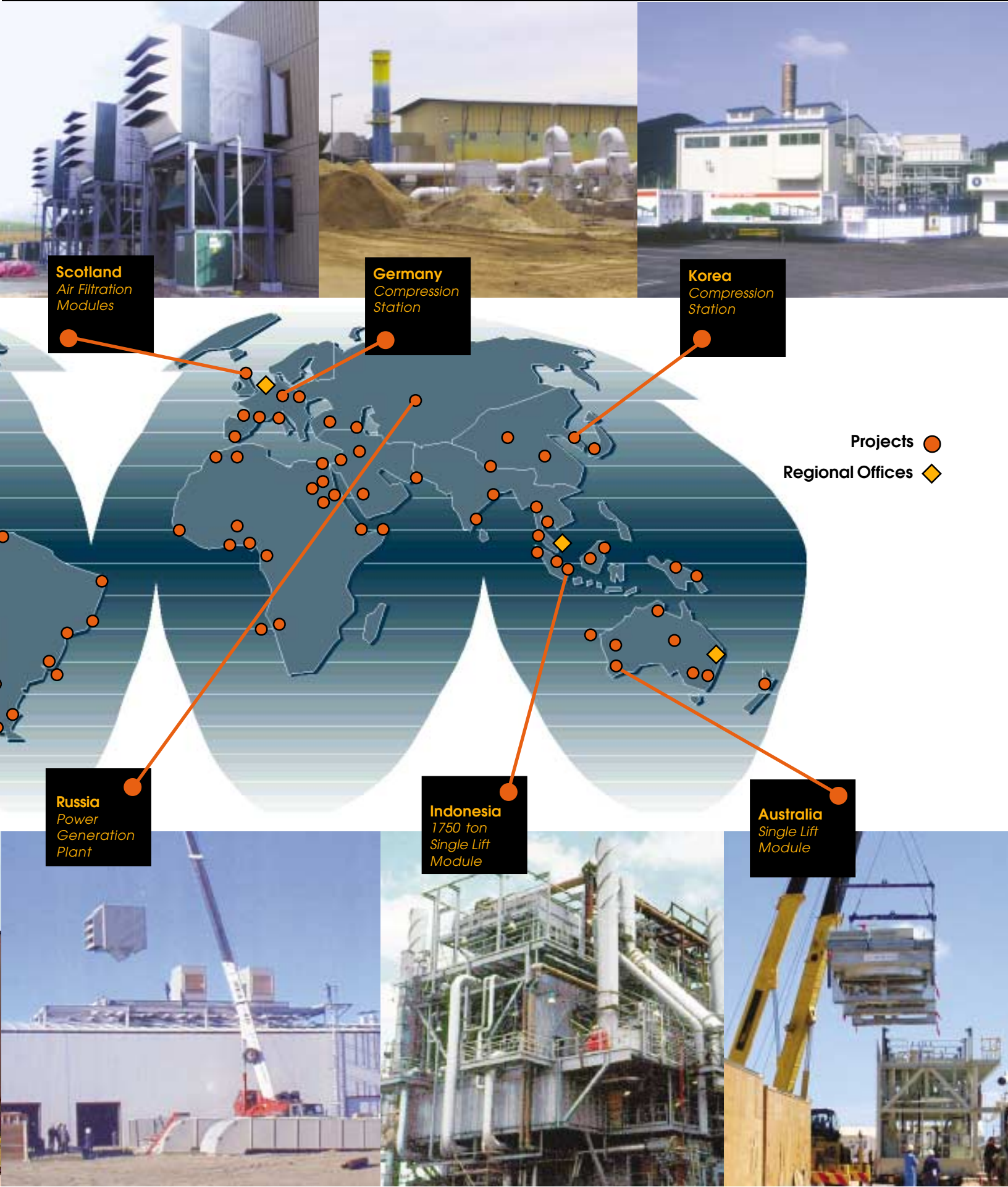
Venezuela
Compression
Station

Chile
Single Lift
Module



International Impact

Regional Offices on Four Continents



Project Management

All Construction Services projects are led by project managers from Solar who have extensive experience managing gas turbine installation and balance-of-plant construction.

Quality

Our Quality department reviews the quality requirements for all projects to make certain each job meets the exacting standards of our customers and Solar Turbines.



Fabrication

Having your project fabricated by our TurboFab facility or by our partner fabrication shops worldwide ensures a cost-effective synergy between engineering and construction.

Purchasing

Our purchasing specialists procure quality components from certified suppliers worldwide and diligently track all project items to help assure on-time delivery.

For further information about how Solar's Construction Services organization can support your next project, whether large or small, please contact:

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Construction Services

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