

Client requirement

Transporting oil and gas from five fields to one floating production facility and then to shore.



Point Eight Solution

Work closely with the project engineers to provide leading-edge design, equipment and manufacturing.

Handling and processing oil and gas flow from five independent fields to a single floating production platform facility and then to shore is highly complex. Na Kika project design engineers had to make sure that the control system for electric power generation, transmission, distribution and conversion aboard the project's semisubmersible platform would be outfitted with extremely reliable switchgear and circuit-protection equipment.

Point Eight Power was chosen for its more than 50 years of experience in assembling such systems for the industry in general and for the marine and offshore petroleum industries in particular. The company represents an intelligent alternative when special requirements call for custom power-system design, assembly and fabrication.

The Na Kika system was designed for control motors, pumps and heaters, along with other equipment used for multiple production uploading, surface handling, export downloading operations and other power distribution duties. As a result, its functions were deemed key among those to be operated and monitored offshore and on land by the Na Kika Supervisory Control and Data Acquisition (SCADA) system.

After consulting with Na Kika designers about power-system specifications unique to the project, Point Eight project-management specialists meticulously planned all stages of the system component assembly, including control-panel fabrication. The system was then manufactured at Point Eight and delivered on schedule.

With about 100 employees consisting predominantly of engineering, design and manufacturing specialists, as well as a team of highly qualified field-service technicians, Point Eight Power meets all applicable United States and overseas regulatory standards. Equipment dedicated to marine applications can be manufactured to meet American Bureau of Shipping/U.S. Coast Guard, Lloyd's of London or DNV standards. Among other fixed or floating production structures, the company has designed power control/distribution systems for floating production, storage and offloading and spar-type facilities around the world.

All design and construction stages conducted at Point Eight Power's Belle Chasse manufacturing facility follow a strict ISO-9001:2000 quality management system, and the company has been third-party certified since 1994. It also is certified in engineering design, manufacturing and service of industrial, oil field, utility, government and marine generator-control switchboards/switchgear and distribution equipment and motor controls for system voltages from 120 VAC or 120V DC systems, power control/distribution buildings and associated metal products.

Point Eight Power's ultimate priority is to provide a product that will meet – and exceed – their customers' expectations with regard to quality, delivery and service.

Point Eight Power. Controlling the Power You Generate



One medium-voltage switchboard rated at 4 (160 V / 3,000A) 350 MVA interrupting consisting of 12 vertical sections

Five low-voltage switchboards, each rated at (480 V / 3,200 A) 85 KA interrupting consisting of 2 to 3 vertical sections for smaller downstream loads.

Remote breaker control panels that enable operation of each of the switchboard's circuit breakers from a separate location.

A discrete interface linking all platform power control and distribution functions with the Na Kika SCADA system.