

Generator Control Panel (GCP)

excitation, protection and synchronization



The GCP is a completely integrated system consisting of excitation, synchronization and protection, offered at a competitive price. GCP is equipped with market-leading Basler products to ensure high reliability, durability and optimized operation.

ECSB's Generator Control Panel helps customers to increase reliability and reduce maintenance costs. More than 20 years of expertise in-house in GCP design and build with the state-of-the-art technology to provide customers with the best solutions available in Malaysia market.

ECSB's GCP system is equipped to:

- Handle the varying requirements of oil, gas and chemical assets, including small to large generators.
- Re-establish and reconfigure all links to 3rd-party systems, typical turbine control systems and overall plant control center.

ECSB offers two basic solutions:**GCP System Retrofit**

Includes replacement of the GCP cabinet, including new excitation, synchronization and protection system. This solution is based on customer's existing system.

GCP System Design

Uses modern technology to design a new operating philosophy of the system.

Both solutions include the following main components:

- DECS Series (Excitation Systems)
- BE1-11 series/BE1-Flex (Protection Relays)

Technical add-ons and customized options can be provided to meet customer's needs and requirements.

Why Choose ECSB's GCP?

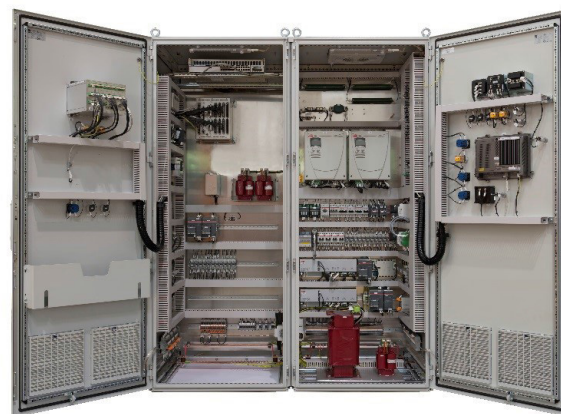
- Eliminate operating errors and provide improved protection
- Improve operating efficiency and plant reliability
- Extend plant life
- Increase functional safety with current/voltage supervision
- On-time delivery
- Simplify sourcing of spare parts
- Reduce upgrade, operation and maintenance costs
- Access to world-wide experts and commissioning through first-class support worldwide network
- Enhance monitoring possibilities for event analysis
- Well-known brand name with recognized quality
- Reduce project execution risk and deliver fast track project
- Possible to deliver fast track project

ECSB's Role in Projects

ECSB can be a sub-supplier or be the Main Electrical Vendor (MEV) for both greenfield and brownfield installations. As sub-supplier, ECSB is responsible for GCP project delivery, and can offer installation supervision and commissioning assistance. As MEV, ECSB is responsible for covering all phases of the project, from Front End Engineering Design (FEED) to operation.

Advantages with MEV delivery from ECSB

- Overall responsibility
- Coordinated life-cycle solutions
- Reduced risks
- Fewer interfaces
- Easier communication structure
- Compliance with customer standards
- High degree of standardization
- Reduced project duration
- Reduced costs
- Optimized training



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For more information, please contact:

EXPET CONTROLS SDN BHD
No.20, Jalan PTP 1/4,
Taman Perindustrian Tasik Perdana,
47120 Puchong, Selangor
Malaysia

Phone: +603 80666634
E-Mail: info@expetcontrols.com