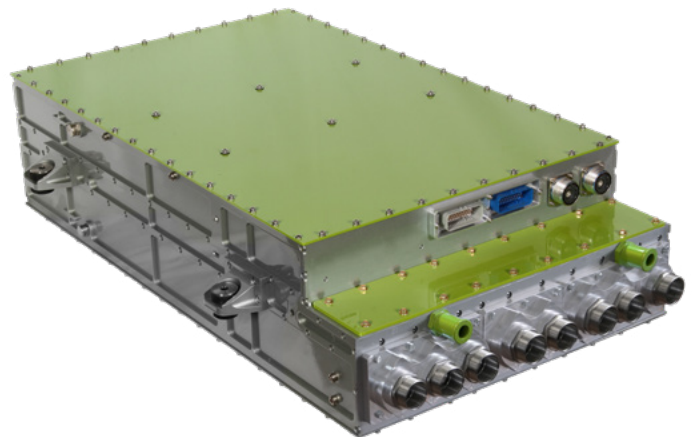


Propulsion Control System (PCS) System Control Unit (SCU)

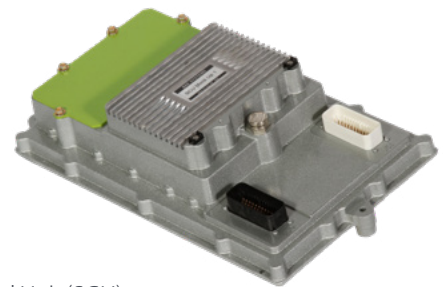
BAE Systems' Power and Propulsion Solutions business area provides products to increase a vessel's operating efficiency and performance while saving fuel, operational costs, and our environment. With more than 20 years of experience in hybrid propulsion, BAE Systems is partnering with leading naval architects and shipyards to provide complete, efficient power and propulsion solutions.

The Propulsion Control System (PCS) is the power processing and power management center for the entire system. The PCS works in conjunction with the system's brain, the System Control Unit (SCU), which provides the operator interface, system monitoring, and control. The SCU can be mounted on either the propulsion control system or elsewhere depending on your space requirements and needs. These systems control the optimal flow of power to and from the traction motor, generator, and energy storage system.

Our PCS and SCU enable overall system performance to be customized to an operator's specific requirements and provide diagnostic information to enhance maintenance of the entire marine system.



Propulsion Control Unit (PCS)



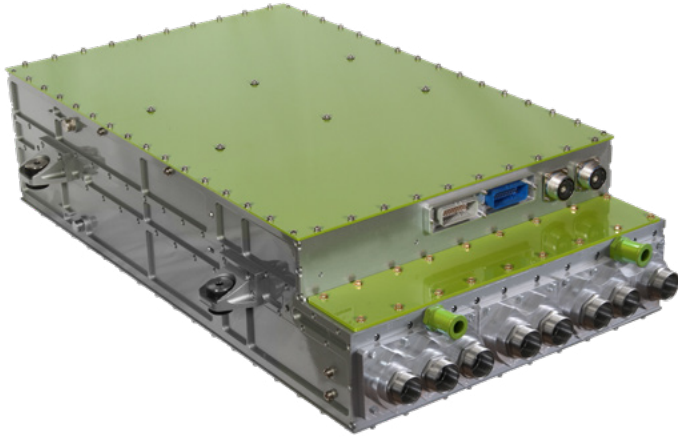
System Control Unit (SCU)

Features

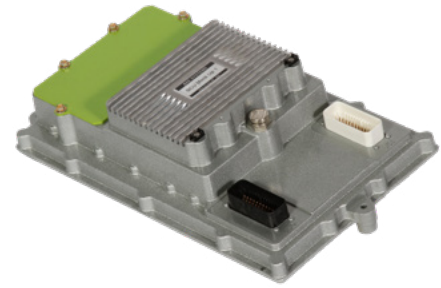
- Selectable acceleration and regenerative power settings
- SAE 1939 CAN interface
- System control and vessel interface electronics mounted externally
- Operation and diagnostics fully integrated with each system
- PCS is liquid cooled for superior thermal management and control

Benefits

- Rugged, durable, and highly reliable
- Flexible installation and cooling
- Standard communications interface
- Supports prognostics health management
- Performance can be tailored to customer needs



Propulsion Control Unit (PCS)



System Control Unit (SCU)

Propulsion Control System (PCS)

Size

- Length: 919 mm (36.2 in.)
- Width: 569 mm (22.4 in.)
- Height: 237 mm (9.3 in.)
- Weight : wet: 85 kg (188 lbs.)
- Coolant: water ethylene/glycol (or propylene glycol)

System Control Unit (SCU)

Size

- Length: 385 mm (15.15 in.)
- Width: 221 mm (8.70 in.)
- Height: 99 mm (3.91 in.)
- Weight : 4.5 kg (10 lbs.)
- Coolant : Air cooled

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