

DC Power Systems Services

We provide full-range services for DC Power Systems in the Telecom, IT, Data Center and Mission Critical markets



HM Cragg is a highly qualified team of professionals who provide complete stationary battery and DC power system **engineering, procurement, maintenance, testing and installation support services**. Our years of experience, combined with serving on industry code and standards committees, makes us uniquely qualified to provide our stationary battery and DC power system services for **Telecommunications, IT, Data Center and Mission Critical** facilities.

Furnish Batteries, Battery Chargers, Rectifier Plants, DC Distribution Power Bays, BDFB, BDCBB, UPS, Inverter and Auxiliary Equipment

- + UPS
- + Switchgear and control
- + Communications

- + Integrated systems
- + NEBS certified



Battery, DC Power Plant and UPS Replacements/Installations

- + Removal and installation
- + Testing and commissioning
- + Factory and acceptance witness testing
- + EPA compliant recycling
- + Project management and technical support



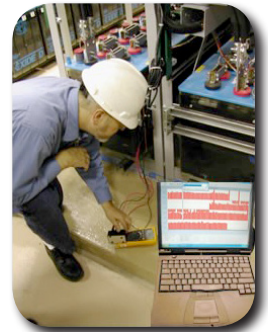
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Testing and Preventative Maintenance Services

All testing is performed in accordance with the recommended practices of IEEE Std. 450 for vented lead acid (VLA) batteries, IEEE Std. 1188 for valve regulated lead acid (VRLA) batteries and IEEE Std. 1106 for vented nickel cadmium (NiCd) batteries and OEM recommendations/requirements for battery charger, rectifier plant, DC power plant and UPS.

- + Battery acceptance test
- + Battery charger and rectifier plant load test
- + UPS load test and maintenance
- + Performance test of battery capacity
- + Monthly, quarterly and annual inspections
- + Battery charger, rectifier plant and DC power plant maintenance



Battery Monitoring Systems (BMS)

- + Furnish, install and commission



Engineering, Consulting and Training Services

- + Root cause failure analysis, investigations and studies
- + Maintenance and testing program development
- + Site audits
- + Energy storage and advanced battery technology evaluations, reviews and studies
- + DC power system design/specification/component selection
- + System performance and testing evaluations and studies
- + Code compliance evaluation
- + Grounding audits

Mobile DC Power Systems

Provides reliable, temporary and emergency DC power source for unexpected loss of critical battery and for scheduled replacement/maintenance/testing of a battery system. Designed, engineered and built to meet the specification and system requirements of the customer.



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