

Legacy Support

Liberty Airport Systems Equipment



As former senior members & partners of Liberty Airport Systems, we at Empower pride ourselves on our depth of knowledge and ability to service and support legacy equipment thereby extending its life well into the future.

The use of **off-the-shelf hardware and software** as a published design goal by Liberty to protect the airport from unforeseen supplier changes allows us to continue to leverage our established business relationships to offer the same **high quality OEM components**.

DCMU

Digital Control & Monitoring Unit

- The design of the DCMU including all software, firmware and hardware is **Owned and Copyrighted by Warner Bay Company (WBC)**. Warner Bay Company produced the DCMUs and Controllers used in all Liberty-based CCRs and CSSs and is currently producing products for Empower Airport Systems and Airport Lighting Company among other airfield equipment manufacturers.
- The DCMU has been evolving for more than 15 years, is robust, upgradeable, and its reliability has been proven across the globe. Firmware updates ensure the **DCMU remains at the leading-edge of technology**.

ALCMS

Airfield Lighting Control & Monitoring System

- The Liberty Airfield Lighting Control & Monitoring Systems (ALCMS) are based on an **open architecture** design using **only non-proprietary commercially available off-the-shelf components**. All replacement components are readily available from multiple sources.
- The PLC programs that were created, sold and installed by Liberty are the **property of the Airport**, not the vendor. As such, these programs can be maintained and modified as needed by **any qualified individual or company**. This was a key Liberty strategy and highlighted in all Liberty marketing literature.
- The FAA has published a letter (150-5345-53D-non-OEM-letter.pdf) stating that only OEM components can be used when modifying FAA Certified Systems. This has created fear and uncertainty in the industry with some ALCMS suppliers falsely claiming they are the only ones qualified to provide replacement parts and service. As a qualified parts and service provider, **Empower uses only OEM replacement parts maintaining full compliance with the FAA letter**.

CCR

Constant Current Regulator

- Empower's Switchgear ('ALSRA') cells have been designed to match the overall form factor of the original Westinghouse, H&P and Honeywell CCRs. This form factor was subsequently maintained in the design of Liberty CCRs. All bus-bar locations and control raceways have been maintained to ensure seamless integration into legacy systems.
- As an OEM parts supplier, Empower is able to provide support, service and replacement components for legacy CCRs offering a reliable life-extension for installed equipment.