



ABB Moves EMH NOMAD With Ease And Reliability

Features and Benefits

Modular NOMAD® Free Standing Crane Systems are perfect solutions when overhead crane installation is either difficult or impractical.

With bolted assembly, the NOMAD is easily disassembled, relocated and reassembled.

Industry Group: Crane Manufacturers Association of America (CMAA)

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“All installations were completed on weekends. And all installations operated reliably, even after repeated application, saving ABB money.”



The EMH NOMAD® Free Standing Crane System and EMH Aluminum Crane Rail System (AL SYSTEMS™) work in tandem for ABB.

ABB is a global leader in power and automation technologies and one of the largest manufacturers of power transmission and distribution equipment in the world. At the ABB US High Voltage Components Division in Mount Pleasant, Pennsylvania, ABB manufactures surge arresters and capacitors, products that protect the electrical grid from harmful surges, while helping to provide consistent predictable power.

ABB selected the EMH NOMAD® Free Standing Crane System, with capacities from 2-10 tons, to be an important component in the assembly of shunt bank capacitor assemblies. These large and heavy units weigh about 5 tons each and are about 12 feet by 12 feet square by 6 feet tall.

The NOMAD System was part of ABB’s decision to relocate its capacitor operation from another facility in Canada. It was chosen based on cost competitiveness, lead-time availability, and its compatibility to include another EMH product solution within the same floor space. The EMH Aluminum Crane Rail System (AL SYSTEMS™), with capacities up to 2,200 lbs. was positioned directly underneath NOMAD to save valuable floor space, enabling 200 to 600 lb. pole mount capacitor assemblies in the same area.

The ABB NOMAD installation had an overall width of 24 feet with a 36-foot runway length. Its overall height was 20 feet with a lift height of 16 feet. The AL SYSTEMS, positioned directly underneath, was 21.5 feet wide with a 36-foot runway

length. After being installed in just 4 days, both crane systems got plenty of use, running 2 shifts a day, 5 days a week.

According to Kevin Spillar, ABB Sr. Manufacturing/Quality Engineer, "Reliability was key. Once installed, both systems had to operate consistently without mechanical breakdowns." But that was only the first test. After ABB consolidated facilities, both conveyor systems had to be disassembled, moved and relocated to another facility 10 miles away. Sometime later, both systems had to be disassembled, moved and reassembled again, within the same facility with another 26 feet of rail length added. Spillar added, "All installations were completed on weekends. And all installations operated reliably, even after repeated application, saving ABB money."

EMH, Engineered Material Handling, headquartered in Valley City, Ohio, designs, sells and manufactures a complete line of overhead material handling equipment solutions for loads from 25 lbs. to 300 tons. Tel: (330) 220-8600. www.emhcranes.com



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