

The Control Zone

Total Solution for all your Control Needs



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From the Desk of the President:

MCS is constantly looking at ways to help our OEM and Installers find better ways to meet the demands for better products. Over the years we have developed better firmware and products which control compressors and chiller systems worldwide. We will continue to work with OEM and Installers to help meet their needs for now and in the future.



MCS supplies OEM in the Middle East Blue Star HVAC India

Blue Star's foray into manufacturing was a modest effort at producing ice candy machines in the 1940s, at

From a humble beginning -



MCS Vice President of Sales, John Walterick (3rd from right), Carlos Giraldo (2nd from right) and Alan Russenberger (4th from right, back) stand in front of original Blue Star Research and Development Centre in India during a recent visit to there.

first from a small office in Forbes Street at Colaba in Mumbai. It was only in the mid 1960s that the company expanded Blue Star's manufacturing base by buying a factory in Thane, then a distant suburb in Mumbai.



Blue Star is India's largest central air conditioning company, with a network of 32 offices, 5 modern manufacturing facilities, over 2000 dealers and around 2500 employees.

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MCS has been supplying controls and related products to Blue Star for a number of years.



Blue Star modern manufacturing plants



CONTROLS FOR HVAC/R Chillers, RTU and Plant Managers Upgrade Existing Systems Commercial / Industrial Applications VFD (Variable Frequency Drives)

MCS-CENTRIFUGAL Control Enclosure Features

- Upgrades for your Centrifugal chiller controls.
- BMS Connectivity – Field selectable for Hardware or Network connection.
- MCS-Touch-15.4 with graphics, service tools, alarm alert history/emails/ SMS, extend history.



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HANBELL COMPRESSORS

Micro Control Systems, Northern America distributor for Hanbell Precise Machinery, offers superior high quality compressors. Micro Control Systems specializes in designing and manufacturing innovative control solutions that provide maximum compressor efficiency and reliability.

RT Centrifugal Compressor Features 12 MODELS RANGING 550 to 1400 TONS



- High efficiency motor and dedicated to refrigerant R134a
- COP - the highest-efficiency centrifugal compressor for HFC-134a in the market.
- Built-in oil pump for better lubrication of bearings and gears
- Fewer rubbing parts, energy efficient and with higher refrigerant flow than a similarly sized reciprocating compressor
- Lower discharge temperature and higher COP due to application with economizer and sub-cooler

RC2 Screw Compressor Features 26 MODELS RANGING 15 to 500 TONS

- Quiet Operation
- High and Low Temp Application
- Multiple Refrigerant Application
- VFD Compatible
- Serviceable Oil Filter



"Hell, there are no rules here - we're trying to accomplish something.

Thomas A. Edison



**MCS Energy Efficient
and RoHS Compliant**

MCS-Magnum-Touch 15.4

**Support for Chiller,
Condensing Unit,
Packaged Roof Top
Units**



- Support for up to 20 compressors
- Support for Screw, Scroll, Reciprocating, Centrifugal w/Variable Frequency Drive
- Custom Graphics using MCS-Graphic-Builder
- Nema4 Outdoor rated max ambient 70C (158F)
- Service Tools –status windows, Last 100 alarms with 120 second of run data for comp safeties
- Alarm alert history/emails/SMS
- Extend history/graph data storage
- Unit/site Documentation PDF files (manuals, drawings, etc.)

CHILLER PLANT MANAGER

Complete Plant Controls

Network or Hardwired connectivity up to 10 Chillers with MCS-Magnum controllers.

- Control for multiple chiller water pumps, with primary/standby, rotation, variable speed

MCS Family

*Our employees are one of
the greatest assets we have.*



Flint M. Humphrey

Flint is a Software Development Engineer here at MCS.

He is a graduate of Florida Southwestern State College and has a Associate Degree in Computer Science.

Flint joined MCS in 2011. He currently maintains software release documentation, MCS-Config, and is responsible for maintaining websites for MCS and Sensing Technologies, Inc.

He also plays a valuable part in research and development projects here at MCS.

When not at work, he enjoys fishing, playing guitar, but most of all spending time with his children.

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