

The Control Zone

Total Solution for all your Control Needs



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From the Desk of the President:

The year is fast approaching the Holiday season, seems like I have been traveling a lot this year. I just returned from the far east visiting China, Malaysia and Taiwan. My wife Lisa and I spent a few days touring parts of China, lots of walking. Be sure to visit the AHR EXPO, Jan. 14-16 in Atlanta, GA. Stop by our booth B1169, we look forward to meeting old friends and making new friends.



Join us January 14-16 Atlanta, GA for the AHR EXPO - booth B1169

MCS will be displaying the latest in HVAC/R controls, along with Hanbell Compressors. Micro Control Systems is the North America distributor for Hanbell.

Micro Control Systems specializes in developing controls which run on many different types of chillers around the world.

We are a highly diversified company able to meet the demanding needs of our OEM's as they develop new chillers, including Controls for Magnetic Bearing Centrifugal Compressors.

The Marine HVAC/R is one of these highly specialized area in which MCS is ideally placed to offer dedicated reliable control systems.

Below is a photo showing a control enclosure running on a yacht cruising the oceans of the world, **reliable is important.**



Controls designed by
Cuge Marine Inc.
Fort Lauderdale, FL

TRAINING ON OUR CONTROLS



Training is an important part of our business. The more you know about how our controls work, the easier the installation.

We conduct training at our Fort Myers plant a number of times per year.

Classes are geared for the following:

- Advanced Config Training for OEM
- Graphic Builder training for OEM, for creating Graphics for the Touchscreens using MCS-CONNECT.
- Classes for Contractors, including Hanbell compressors and Variable Frequency Drives.

Contact MCS sales for schedule of classes.

www.mcscontrols.com

MCS NEWS RELEASE

Hardware Change

MCS-MAGNUM hardware was modified, current revision is 9.1.

Hardware modification - Ethernet PHY chip was replaced due to 'end of life' of the original PHY chip by the manufacturer.

The product update announcement can be found on our website at:

Support/Literature/Press Releases

MCS-MAGNUMS currently being shipped will have the latest firmware.

The latest firmware for the MCS-MAGNUM can be found at:

Support/Magnum Firmware

UPGRADES, UPGRADES

Chillers are an enormous cost for facilities, both for first costs and operation expenses. They use tremendous amounts of energy and require regular maintenance.

Upgrades to older chillers are an important part of our business.

Replacing an older chiller is a big expense

There are many options and cost savings to adding newer controls, more efficient compressors, etc.

Recently Thermaserve Mechanical Systems Services, contractors installing MCS controls, did an analysis on a York YT chiller, located in Jacksonville FL.

Capital Plaza Building #2 Chiller ROI

	Price	Yearly Energy Saving	ROI Years
Option 1 - New Magnetic Bearing Chillers	\$ 492,000.00	\$ 47,000.00	10.47
Option 2 - New VSD Chillers	\$ 409,820.00	\$ 47,000.00	8.72
Option 3 - Chiller VSD Modernization	\$ 281,240.00	\$ 23,000.00	12.23

The project was to modernize two 28 year old chillers. The plan, extend the overall life expectancy, provide customer cost saving, replace control panel with MCS controls, add Variable Speed Drive and replace R11 refrigerant with R123 refrigerent.

Electrical Saving on this project was \$23,129.

**Keep your face always toward the sunshine -
and shadows will fall behind you.**

Walt Whitman



**MCS Energy Efficient
and RoHS Compliant**

Did you Know?

Are there health benefits to giving blood?

Lower risk of heart disease. Blood donation may lower the risk of heart disease and heart attack. This is because it reduces the blood's viscosity. ... High body iron stores are believed to increase the risk of heart attack

O negative donors are the "Universal Donor." People with O negative blood are universal red blood cell donors.

SHARE YOUR POWER
— on the —
BIG RED BUS!



In the Florida area . . . There are over 200 Big Red Buses on the road every day. Get on board and be a hero in your community.

Sharing Our Power

On Wednesday, September 5th, employees at Micro Control Systems shared their power with the Fort Myers community.

Each blood donation can save up to three lives.

MCS and its employees are proud to be part of helping to save lives.

MCS Family

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

Mike A. Schreiber

*CAD Specialist &
Software Engineer*



Mike graduated from Florida Southwestern State College in 2014 with Associates Degrees in Drafting and Design Technology, Civil Engineering, Architectural Design and Construction, and General Studies in Electrical and Software Engineering.

Mike joined MCS in 2012 to perform the duties of design and AutoCAD drawings for all MCS products.

He is continuing his education to obtain an Associates Degree in Computer Programing and Analysis.

Mike currently works on our web site, adding and changing information on our products, etc.

www.mcscontrols.com

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