

**Tough SmartMarquee™**

# Marquee with the...

## Read, Calculate, Compare PLC tags and Perform...

Industrially Robust, NEMA 4X, Class I, Div II choice of Aluminium or Stainless Steel Marquees



### Matched LEDs for Uniform Brightness

Uticor uses specially matched LEDs for its marquee product lines. Hence, the brightness of LEDs remain uniform over the life of marquee, making it pleasant to look at.

10  
Models

### Tough yet Energy Efficient

Even though built tough like a tank, the new Tough SmartMarquees from **Uticor are extremely energy efficient and use typically 1/3rd the power of our competitors**

### Higher Temperature Rating, 60° C

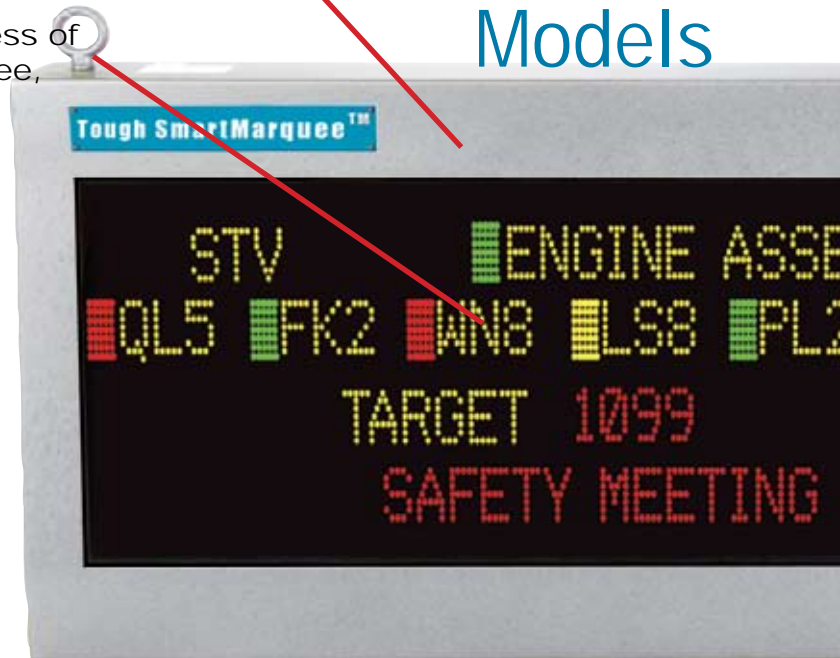
**Highly efficient Tough SmartMarquee** consume less power and thus less heat allowing it to operate at higher temperatures.

### 96 Hour Burn-in

In addition to matched LEDs, Uticor products goes through a 96 hour burn-in period to eliminate infant mortality of thousand of LEDs in a typical marquee

### Quality - 4 years Warranty

The high quality manufacturing process translates in years of trouble free service with consistent looking display. Uticor reliable manufacturing allows us to offer a **FOUR YEAR** warranty on all it's marquee products.



### Scroll and Blink your Messages

With Tough SmartMarquee, display your messages Stationary, Scrolling or Blinking based on the embedded codes in an ASCII string.

### International Character Set

Take advantage of Tough SmartMarquee's International character set to display your messages in multiple international languages. This option is switch selectable to allow message display in U.S. English, French, Danish, Swedish, German, Cyrillic or Japanese Kana!

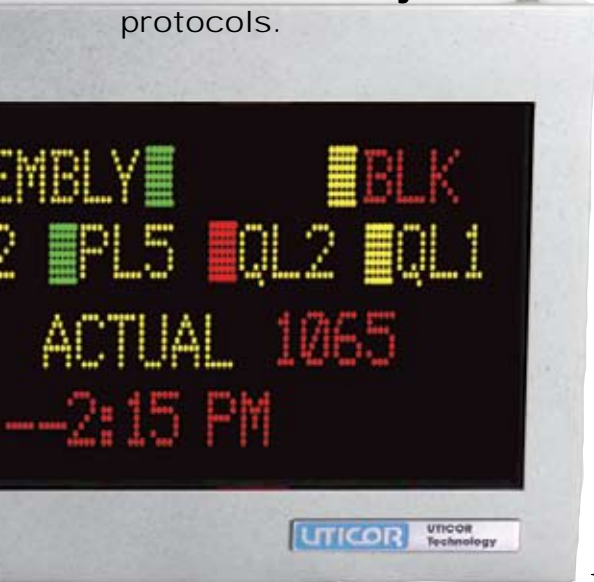
A close-up of a marquee display showing the text "STÖRUNG KÜHLSYSTEM 1" in red characters on a black background.

# ...Intelligence of an HMI

## ...Complex Math Operations, Generate Alarms

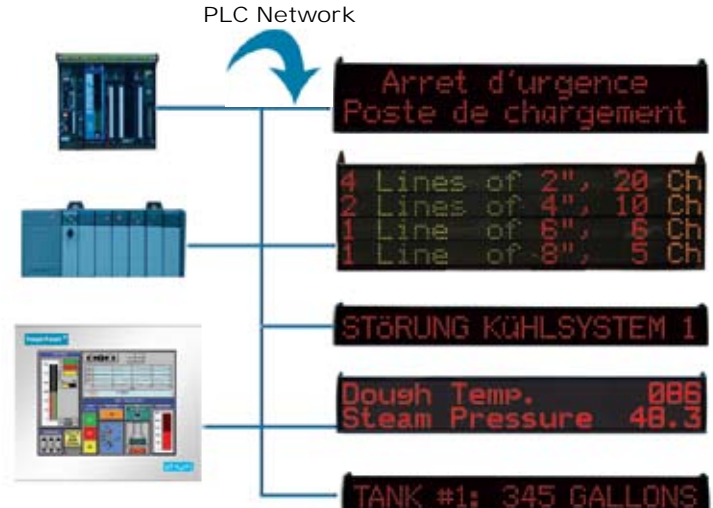
### Easy to Apply and Network

No ladder logic change required when adding a display to communicate Machine/Process status and alarms to plant floor as long as the data is available in PLC. Network using ASCII (RS422), Ethernet, DeviceNet, DH+/RIO, Modbus RTU, Modbus+, CCLink, DH 485, Modbus TCP/IP, SRTP or Profibus and many other communication protocols.



### Mixed Charcter Heights on the Same Line

Displays mixed character sizes on the same line! Other marquees limit you to use just one character per line, which means you cannot use 2", 4", 6" or 8" charcter sizes on the same line.



### Connects to Major PLCs and Networks

Uticor Tough SmartMarquees connects to Allen Bradley, Modicon, Siemens, Mitsubishi, DH+, Profibus, etc.



### Exclusive

### Tough SmartMarquees with the Intelligence of Toughpanels & Drivers for Most PLCs & Networks

Tough SmartMarquee master model has Uticor's HMI CPU built-in, allowing the Marquee to perform complex logic while interfacing to two PLC/Network protocols at the same time. It also allows sending Marquee messages over internet/intranet

