

The Read-out Forum

# Control & Automation in the Communications Era

16th September 2003

Irchem 2003

Cork

**Read-out**   
read-out.net

Ireland's journal of instrumentation and control

The Read-out Forum

# Control & Automation in the Communications Era

A symposium  
Sponsored by ISA Ireland

In conjunction with Irchem 2003



# The Read-out Forum



## ETS Walton 1903-1995

Nobel Prize for Physics 1951

**The Read-out Forum**

# **Control & Automation in the Communications Era**

**Eoin Ó Riain**

**read-out.net**

*Instrumentation and Control in Ireland and throughout the world*

# The Read-out Forum

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# Read-out

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## Distributed Control Systems

### Forecast growth of €10 Billion by 2007

**isti inside**

The worldwide market for DCS systems including hardware, software, and services is expected to grow from €9 billion in 2007 and is forecasted to be over €10 billion in 2007, according to a new ARC Advisory Group study titled "DCS Worldwide Market Outlook and Forecast 2007-2007". ARC has scaled down its projections for growth in the DCS market since its previous study. ARC Research Director and study author LARRY O'BRYEN stated, "Our analysis shows that the market declined between 2001 and 2002 by over 7 percent. Persistent and global economic weakness with limited capital spending in the process industries will result in the market growing less than one percent between 2007 and 2007. Growth through 2007 will improve so that the average annual rate for the study forecast period is 7.3%."

**DE ADLINE**

2007

SYSTEMS

Tonic

SYSTEM

**ISSUES AND**

**SERVICE**

**RECENT ADVERT**

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March of 2007. Capacity utilization is a key indicator for speeding trends in automation. In the US, capacity utilization remains well below the 80 percent that is usually required for manufacturers to move into expansion mode. Capacity utilization for total US industry actually decreased by half a percentage point to 74.3% in the first quarter of 2007, compared to the same period in 2007. In Europe, economic activity is cutting their growth figures for the European Union from 1.3% down to 1.3% in the 12 month Eurozone. Europe's manufacturing capacity utilization remains essentially flat. Industrial production in Europe was on the increase after flat results in the fourth quarter of 2007. The situation in key non-oil industry segments remains largely unchanged. Traditional process industry segments such as refining, petrochemical, power, steel, and pulp & paper continue to suffer. The pharmaceutical industry remains the highest growth industry in the process and hybrid segment driven largely by 21 CFR Part II compliance issues. Food & beverage upstream oil & gas, and water & waste are also growth segments. As such, plant users must choose to upgrade their existing control systems or migrate to a new one. Sometimes, upgrades are not possible because the system has been planned out altogether or the installed system is based on an outdated architecture.

**A motor protection and control device**

With integrated PROFIBUS DP interface.

In a process plant, the electronic motor protection device Statred DP creates the intelligent link between load feeders and automation level. The unit is supplied through Douglas Control & Automation.

The instrument is equipped with an integrated Profibus DP interface. Connected to this widely used field bus system ensures fast and reliable transmission of control commands, operating status, diagnosis, service, statistic and parameter data from and to the higher-level control system. This control system can be an integral component of a programmable controller (PLC) or a Standalone Process Control System. The integrated Profibus DP interface is easy to implement through the parameter menu and service program of Statred S7 Step 7 or PCS7 Control Systems.



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# The Read-out Forum

*Measurement, control and automation throughout the world*

*Circulation: 3000 visits per week*

*Frequency: updated daily*

The screenshot shows a web browser window displaying the 'The Read-Out Instrumentation Signpost' website. The browser's address bar shows the URL 'http://www.read-out.net/'. The website features a navigation menu on the left with links for 'Site Map', 'Bored already?', 'Signpost', 'Events', 'News', and 'Professional Bodies'. The main content area includes a 'ControlDraw' advertisement, a 'Latest News' section with a headline about a 'Manufacturing Excellence Conference in Cork', and a 'Current Events' section. The website also has a search bar, a 'Search the Signpost' button, and a 'Notes on our engine' link. The browser's status bar shows the time as 3:23:17 PM and the connection as Internet.

# The Read-out Forum

Note Exits



No smoking please



Silence mobiles



Identify yourself before you speak



# Gura maith againh

# The Read-out Forum

## Peadar Walsh

**President, ISA Ireland Section**  
***Sponsors The 2nd Read-out Forum***  
**Director, Douglas Calibration Services (Jones Group)**





# The Read-out Forum

## Andrew Bond

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*Industrial Automation INSIDER*  
(formerly Scada Insider)



# INSIDER

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