



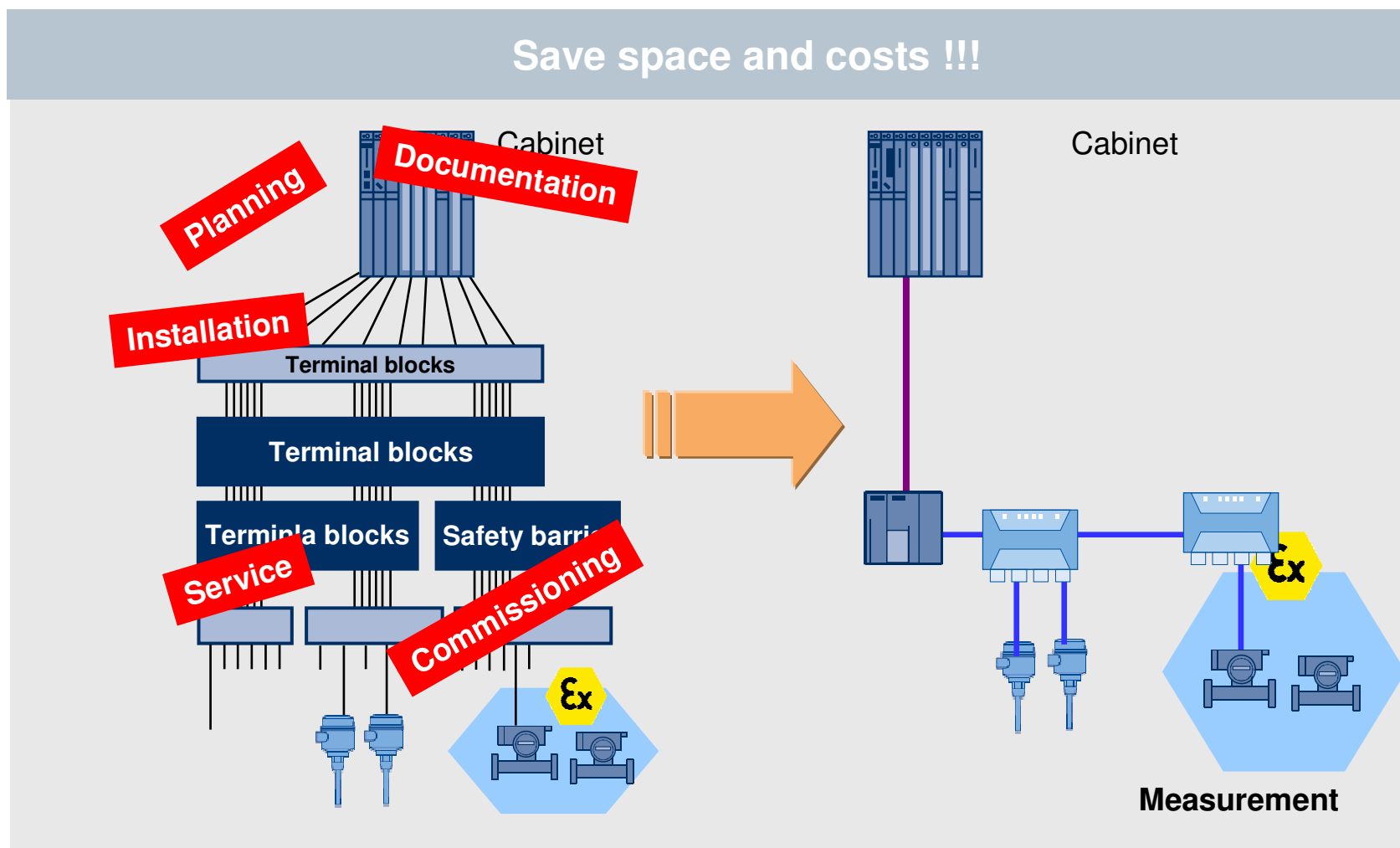
**PROFIBUS  
Benefits**

**Dr. Paula Doyle  
Chairman PI Middle East**

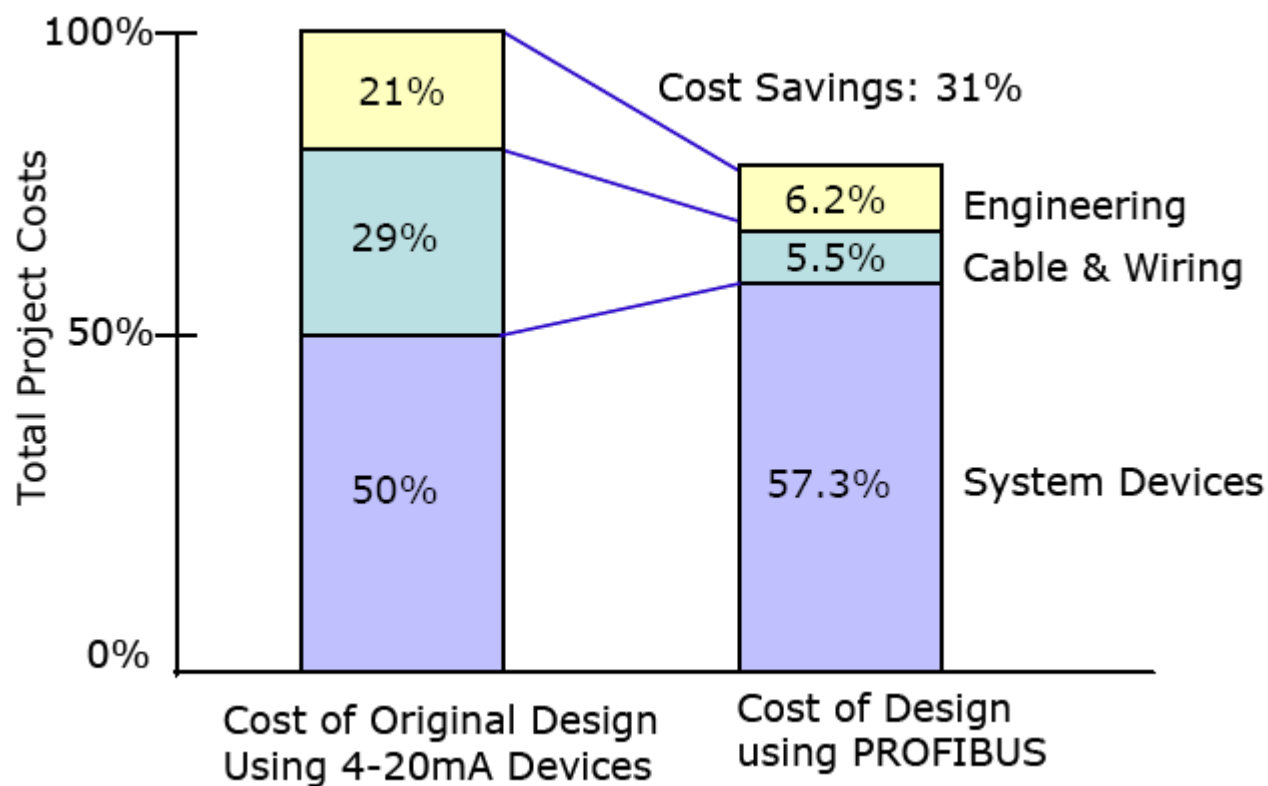
**Technical Seminar  
June 13, 2012**

# PROFIBUS vs Point-to-point

Save space and costs !!!

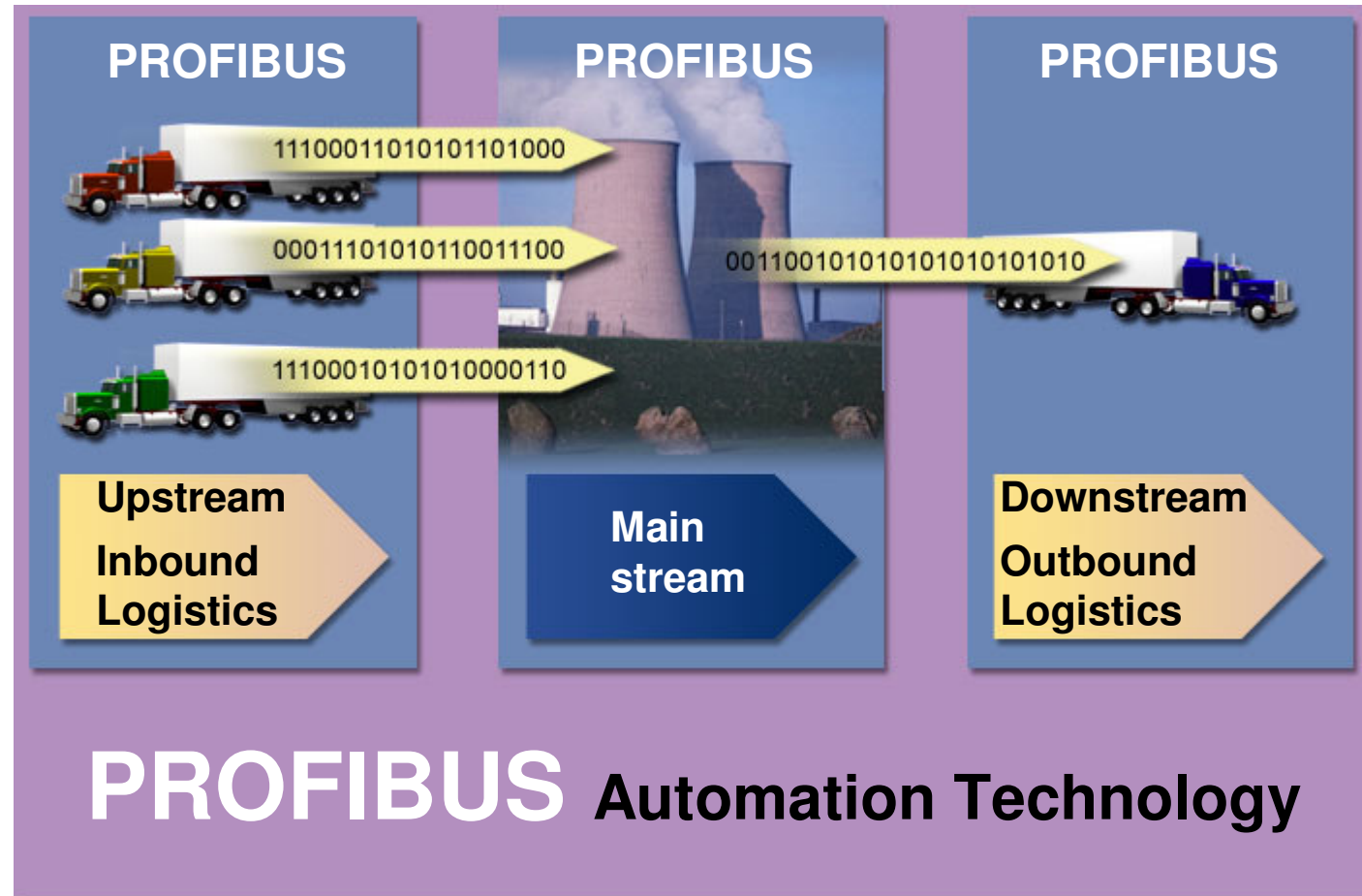


## Cost Savings



Source: ARC White Paper "The Value Proposition of PROFIBUS in the Process Industries", April 2005

## Application Coverage

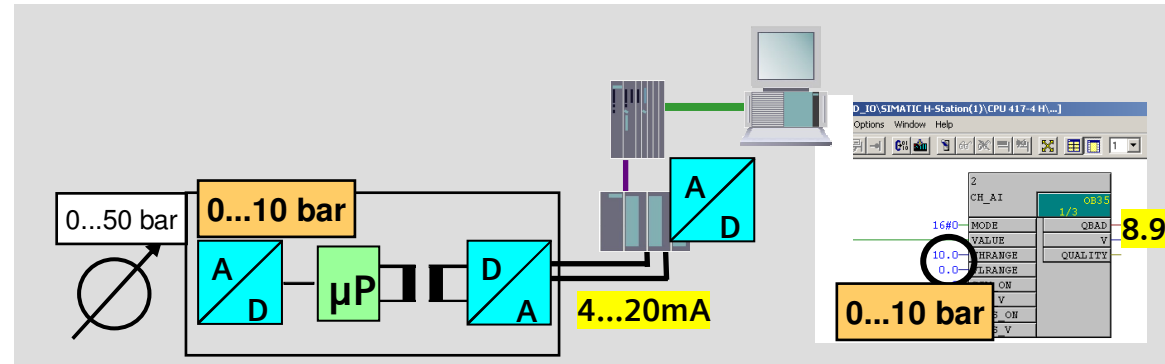


## High Availability

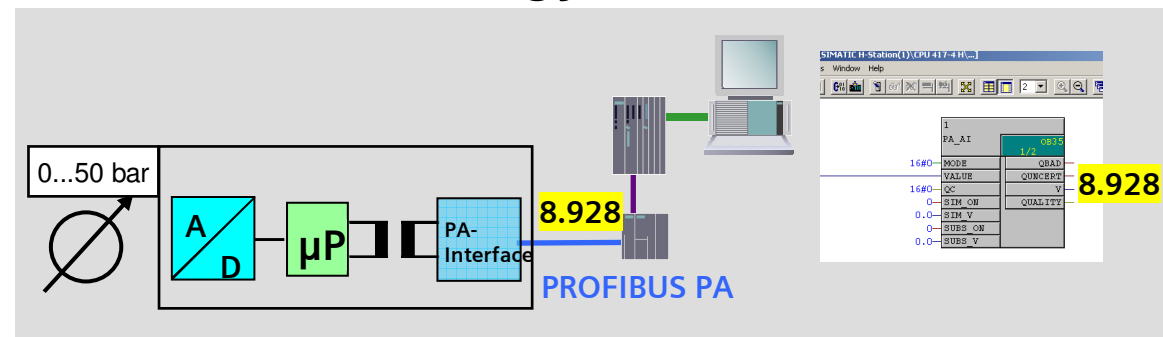
- Bus diagnostics
- Ring topology
- Fault isolation
- Devices advertise their health
- Redundant controllers
- Redundant networks

## Better accuracy ...

### Conventional 4...20mA / 24VDC technology



### PROFIBUS technology



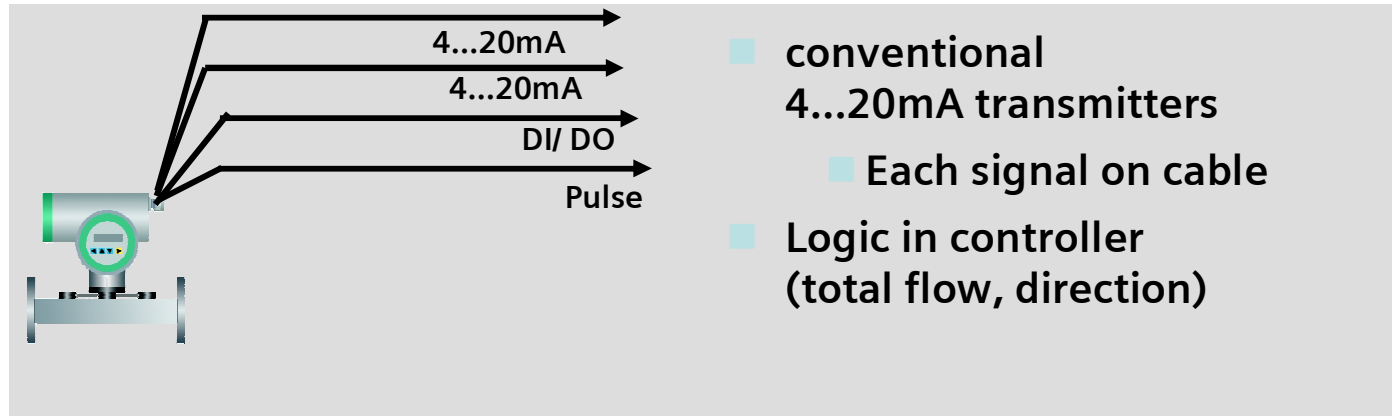
**Turns into a dramatic increase of process control**

Less drift, faster conversion

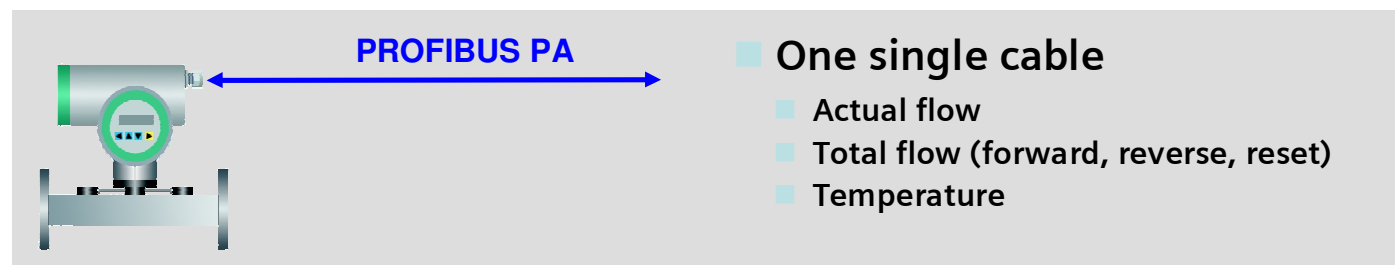
32 bit resolution

## Multi variable devices

### Conventional 4...20mA technology



### PROFIBUS technology



**Less sensors, wiring, controller logic**

## Quality Information

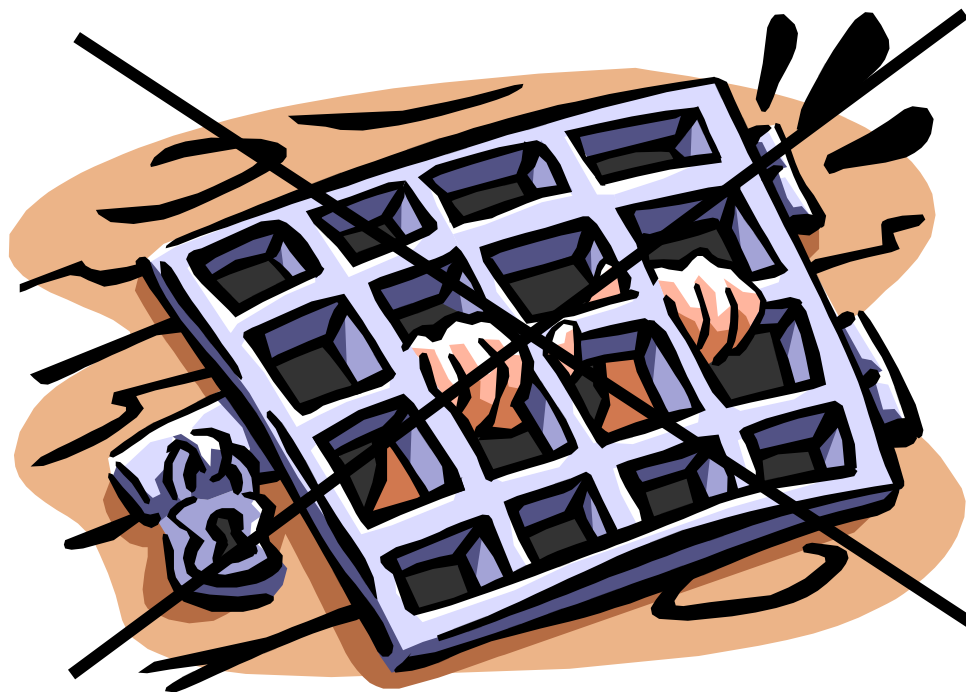
- Know if you can trust your Process Variable
- Diagnostics are instant and detailed
- Asset management information is automatically recorded and integrated
- Parameterisation can be easily repeated
- Devices can alert you of trouble before it happens





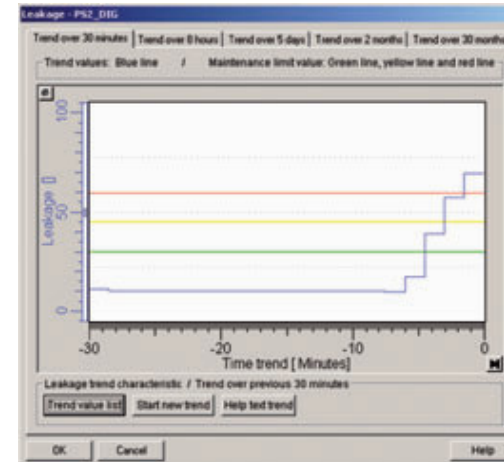
## Open Technology

You are not locked into one vendor

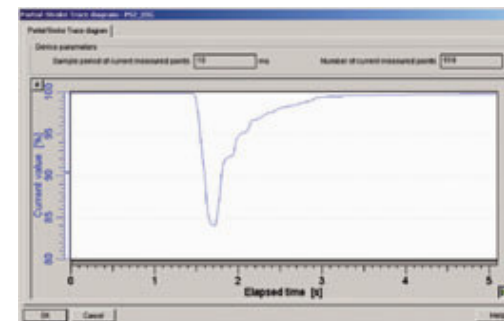


## Smart devices make you smarter...

- Partial Stroke Test (PST)
- PST Trace Characteristic
- Pneumatic Leakage
- Friction and blockage of a valve
- Wear & tear of valve seat or valve plug
- Deposits or build/up on valve seat/valve plug
- Histograms
- Valve stroke counter
- Direction change counter
- Operating hours counter
- Valve operating position over time
- Trend diagrams
- ...



*The increasing leakage value signals imminent control valve failure*



*Shows the detailed progress of the PST*

# PROFIBUS

- Reduced **Costs** throughout the entire plant lifecycle
- Easier engineering, commissioning, installation
- Improved maintenance & operations
- High quality data
- High Availability
- Open Technology
- Global support
- Local support





[www.profibus-me.com](http://www.profibus-me.com)

[middle.east@profibus.com](mailto:middle.east@profibus.com)



**Conclusion**

**Dr. Paula Doyle**  
**Chairman PI Middle East**

**Technical Seminar**  
**June 13, 2012**

## Where to find information?

All presentations will be available to download at  
[www.profibus-me.com](http://www.profibus-me.com)

All vendors are represented at the event & contact  
details are available on [www.profibus-me.com](http://www.profibus-me.com)

PICC and PITC contact details are available on  
[www.profibus-me.com](http://www.profibus-me.com)

For further information, email [middle.east@profibus.com](mailto:middle.east@profibus.com)

### **PROFIBUS Maintenance & Troubleshooting Training**

9-10 July

PITC KSA (ASM) Khobar

### **Certified PROFIBUS Engineer**

29 July – 1 August

PITC KSA (ASM) Khobar

### **PROFINET Technical Seminar**

September 2012

Dubai

### **PROFIBUS Technical Seminar**

September 2012

Saudi Arabia

Thank you...

Mr. Nazik AbuZaid  
Julphar

Mr. Lassaad Drissi  
3W-Technomatic

Mr. B V Reddy  
Jacobs Engineering

Mr. Ali Magboul  
ASM – PICC/PITC Saudi Arabia



Thank you...



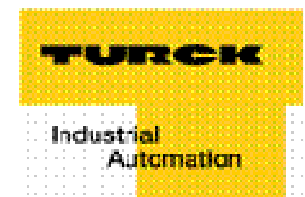
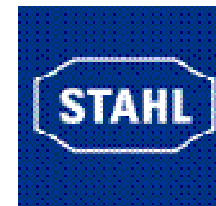


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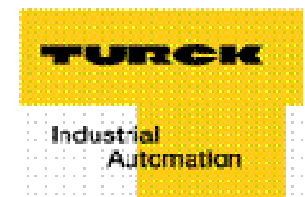
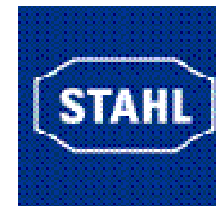
# **PI** *Middle East*

**PROFIBUS • PROFINET**



# **PI** *Middle East*

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## Agenda

Time	Presentation	Speaker
4:30 – 5:00	Reception & Registration	
5:00 – 5:15	Welcome & Introduction	Ala Majaj PI Middle East
5:15 – 6:00	PROFIBUS Technology	Tomasz Sinczak PI Middle East
6:00 – 6:20	PROFIBUS in Julphar Insulin Plant	Nazik AbuZaid Julphar
6:20 – 6:40	PROFIBUS in the F&B Industry	Lassaad Drissi 3W-Technomatic
6:40 – 7:00	PROFIBUS in the Pharmaceutical Industry	B V Reddy Jacobs Engineering
7:00 – 7:20	Coffee Break	
7:20 – 7:50	Troubleshooting PROFIBUS Networks	Ali Magboul ASM
7:50 – 8:15	PROFIBUS Benefits & Conclusion	Paula Doyle PI Middle East
8:15 -	Dinner	