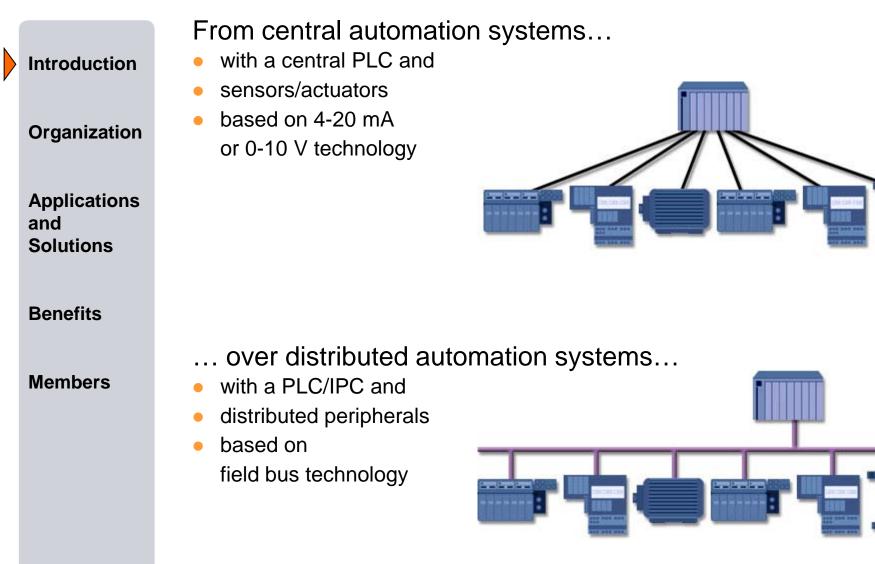




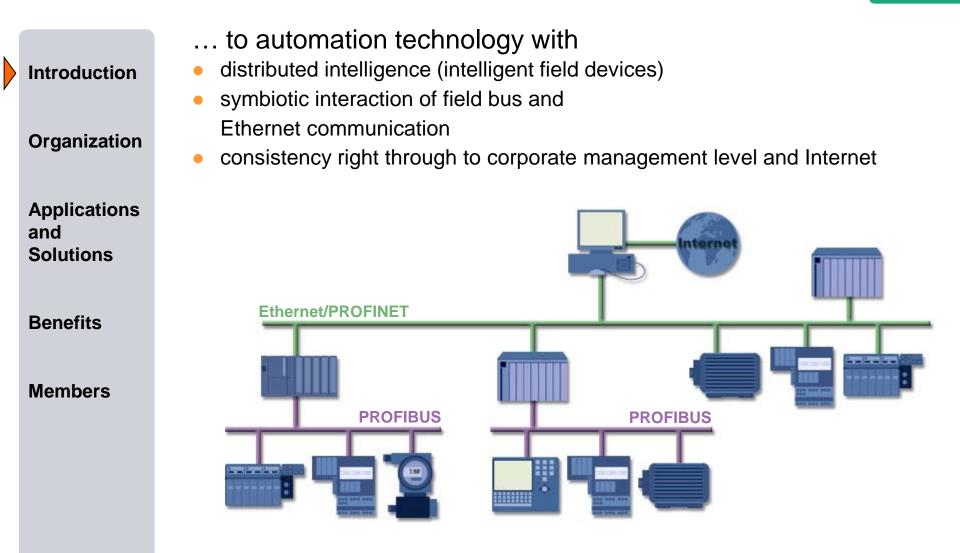


Changes in Automation Structures





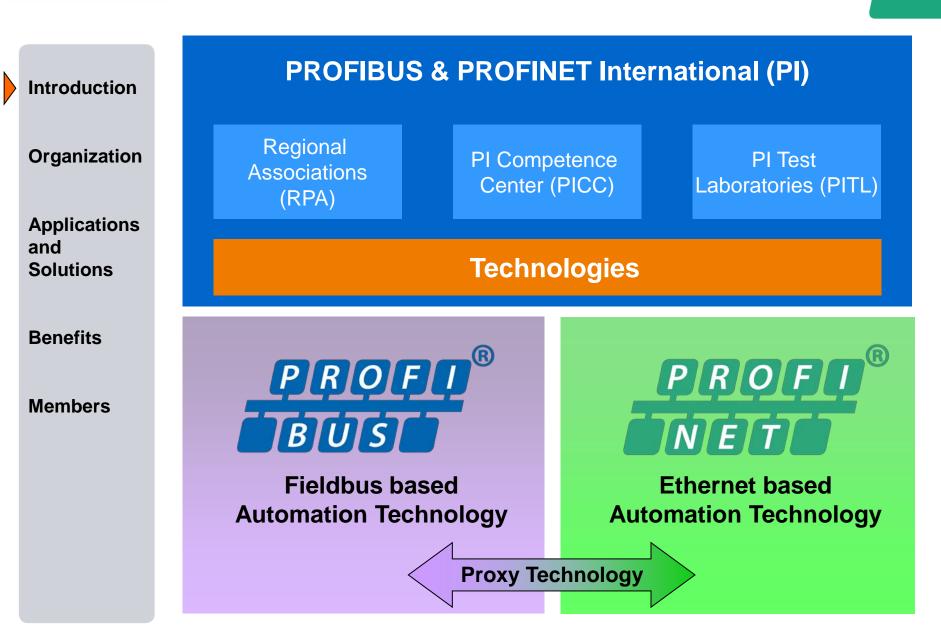
Changes in Automation Structures



With integrated motion, safety and $\langle \epsilon_{\times} \rangle$ applications



Technology





PROFIBUS

| Introductior | ۱ |
|--------------|---|
|--------------|---|

Organization

Applications and Solutions

Benefits

Members

PROFIBUS is the open Fieldbus Standard for Automation of PROFIBUS International.

PROFIBUS covers all requirements of all branches of Automation Technology.

PROFIBUS ...

- Is a digital communication system optimized for all automation tasks
- Covers both fast time-critical applications and complex communication tasks, not just for drives, for all levels in automation
- Supports numerous Application Profiles





PROFINET

Introduction

Organization

Applications and Solutions

Benefits

Members

PROFINET is the open Industrial Ethernet Standard for Automation of PROFIBUS International.

PROFINET covers all requirements of all branches of Automation Technology.

PROFINET ...

- Is Based on Industrial Ethernet
- Uses TCP/IP and IT Standards
- Is Automation in Real-Time



Enables Seamless Integration of other Fieldbusses



PROFISAFE-Profile

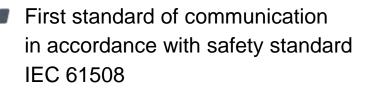
Introduction

Organization

Applications and Solutions

Benefits

Members

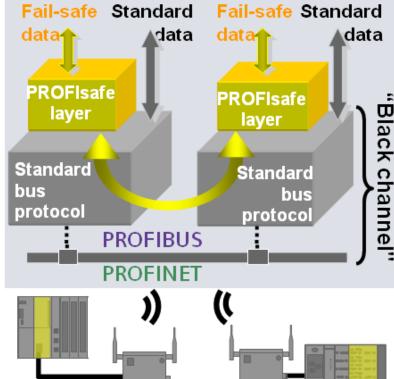


PROFIsafe-Profile supports the safe communication for the open standard bus PROFIBUS and PROFINET

Approved by







PROFIsafe supports standard- and failsafe Communication by <u>one</u> medium



Organization



PROFIBUS/PROFINET International

| Introduction | PROFIBUS & PROFINET International (PI) |
|----------------------------------|--|
| Organization | 25 Regional Associations (RPA) 36 PI Competence Center (PICC) 10 PI Test Laboratories (PITL) |
| Applications and Solutions | More then 1,400 members world wide |
| Benefits | The architecture is being devised by |
| Members | 12 work groups With 140 employees PROFU® |
| | from 60 companies |
| | PROFINET – from the world's largest fieldbus organization |
| | Over 30 Million installed PROFIBUS nodes and |

over 2 Million PROFINET devices installed worldwide.



PI: Worldwide Support

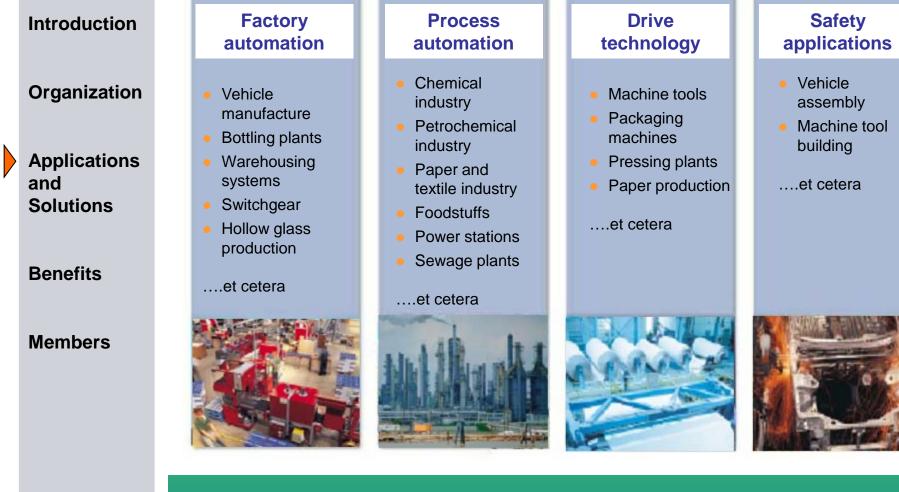




Applications and Solutions



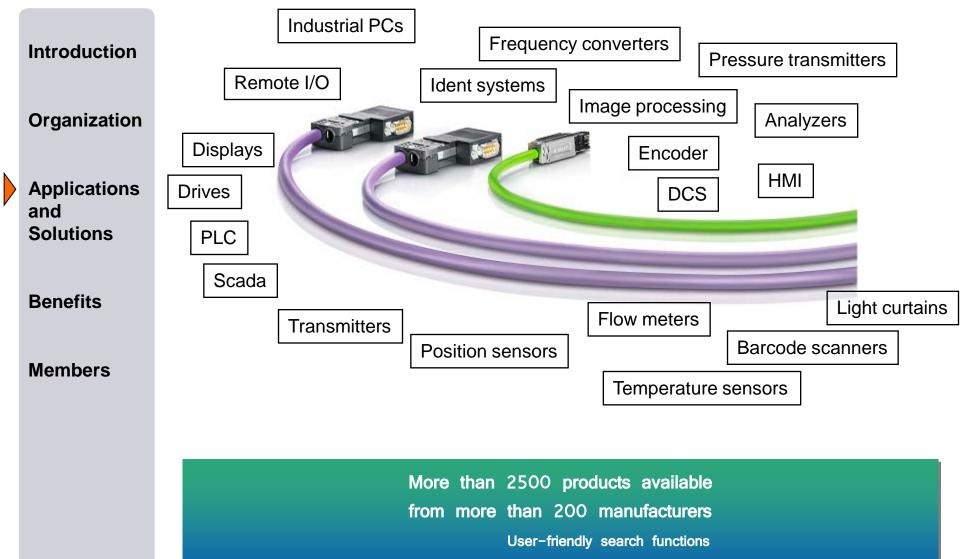
Applications



More than 1 million PROFIBUS systems implemented with over 30 million nodes



PROFIBUS & PROFINET



Continuous updates by member companies



PROFIBUS - Plant-Wide Implementation

A single consistent solution for all plant sections,

in hybrid plants, too!

Introduction

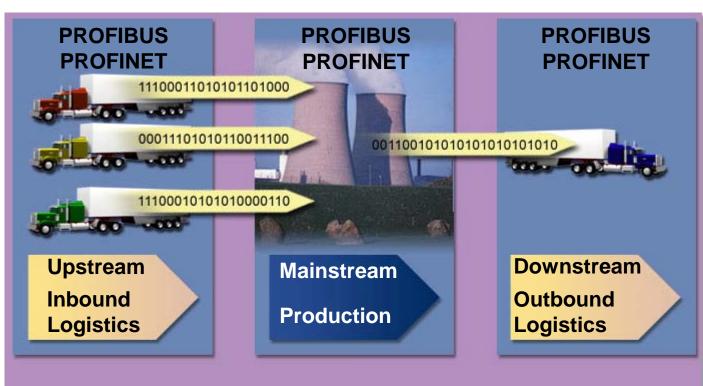
Organization



Applications and Solutions

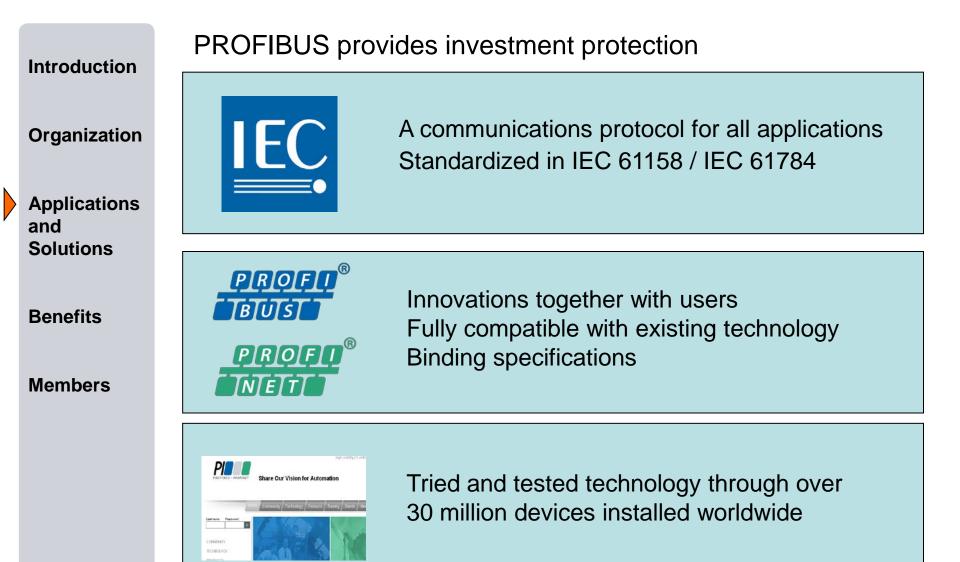
Benefits

Members



PROFIBUS/PROFINET Automation Technology



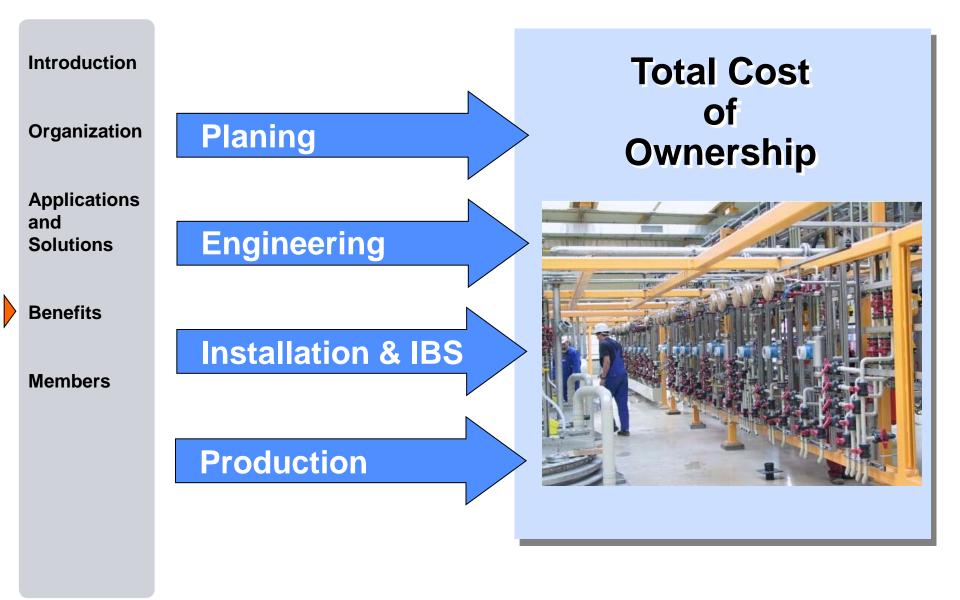




Benefits for customer

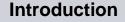


User Benefits





Faster Planning to Operation



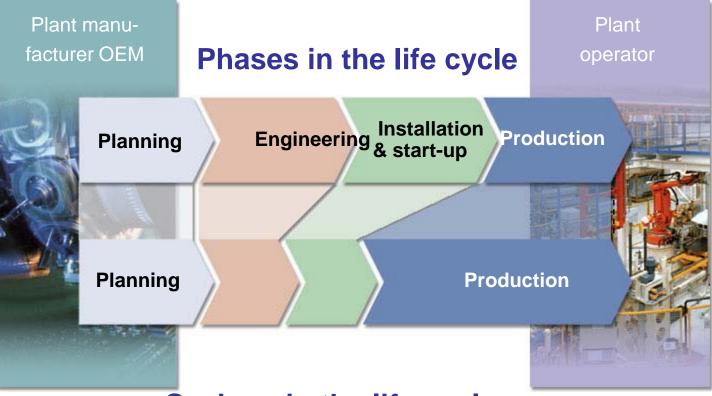
Organization

Applications and Solutions



Benefits

Members

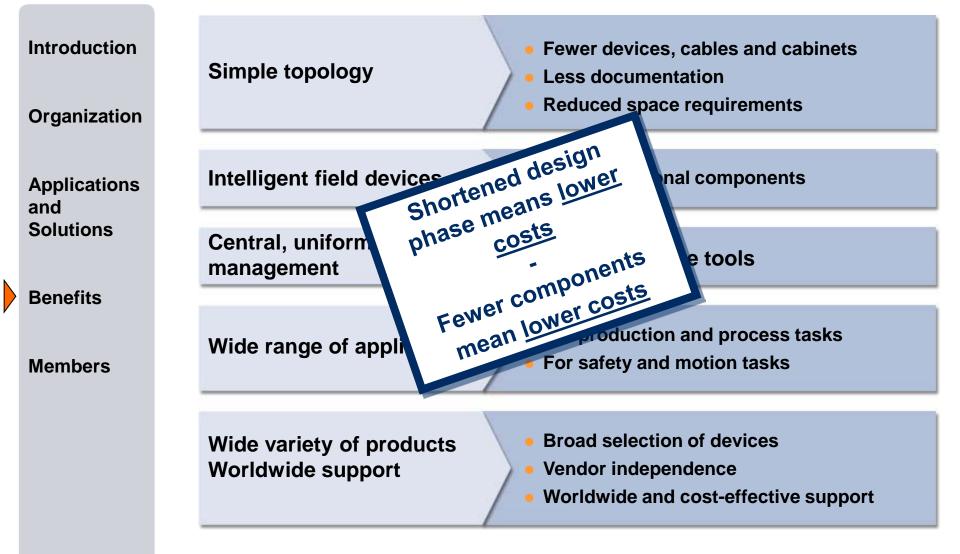


Savings in the life cycle

- Reduction of time prior to start of production
- Reduction of costs
- Reduction of failure risk

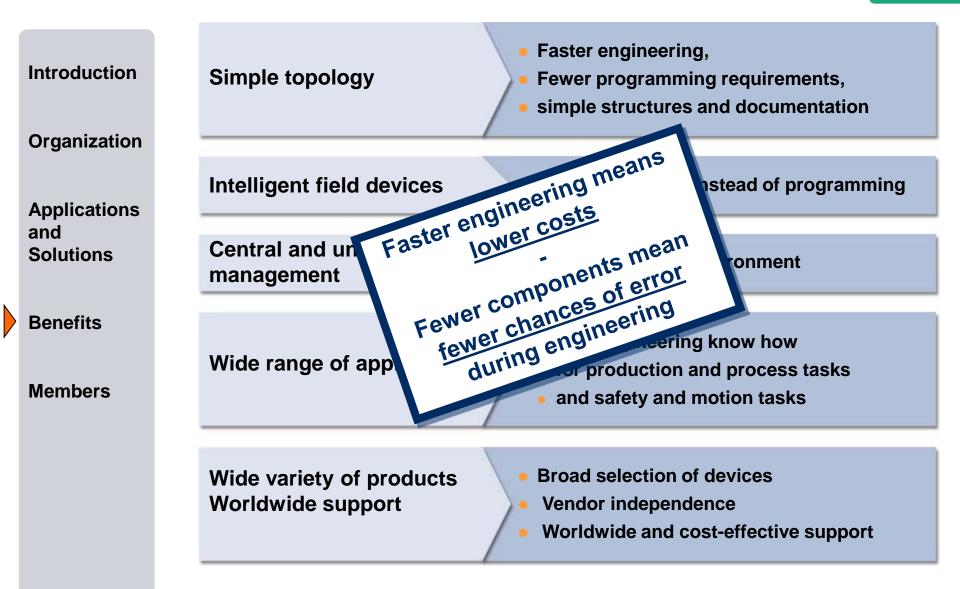


Savings with Planning (Design and Aquisition)



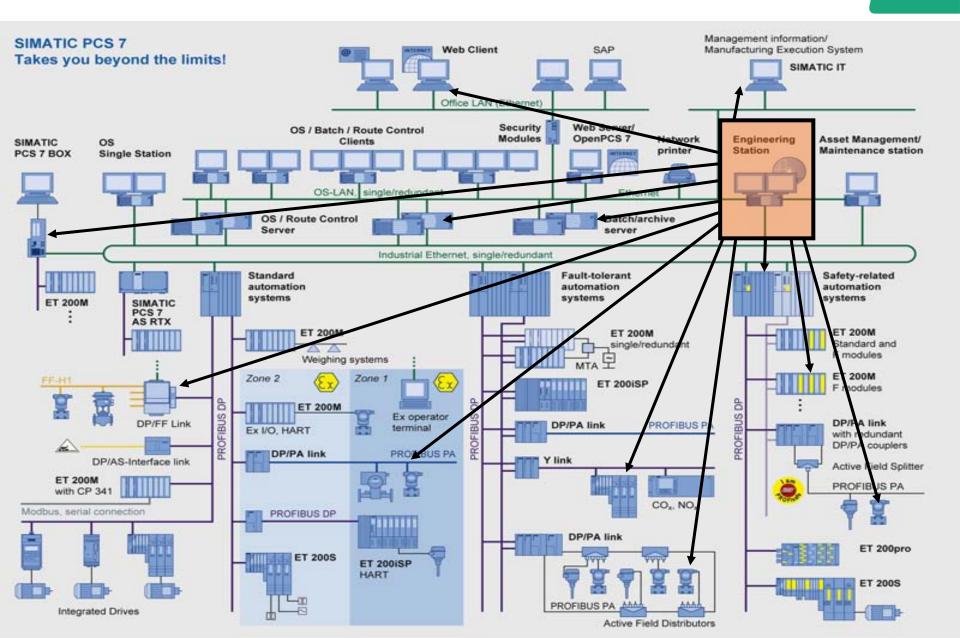


Savings on Engineering



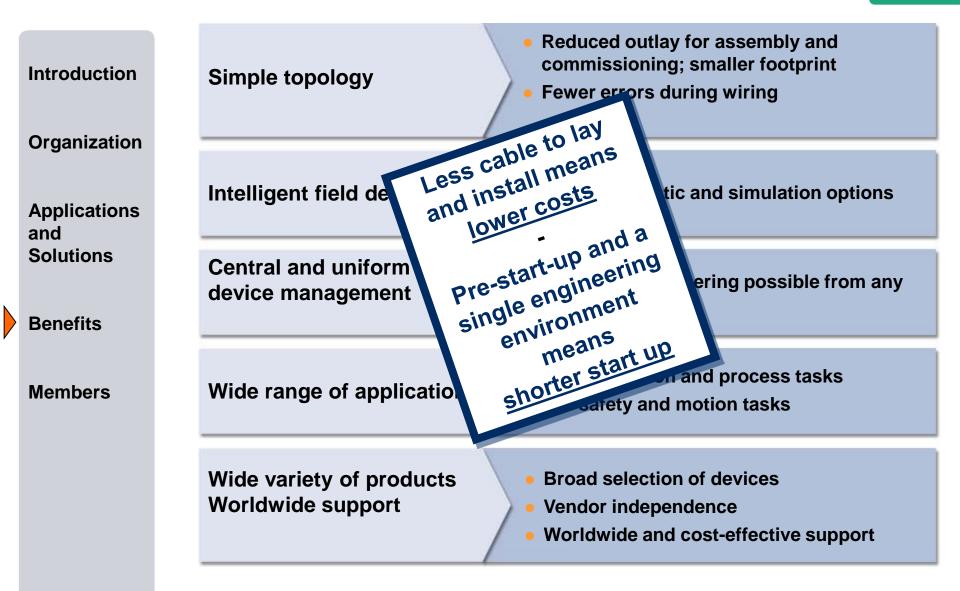


Central Engineering



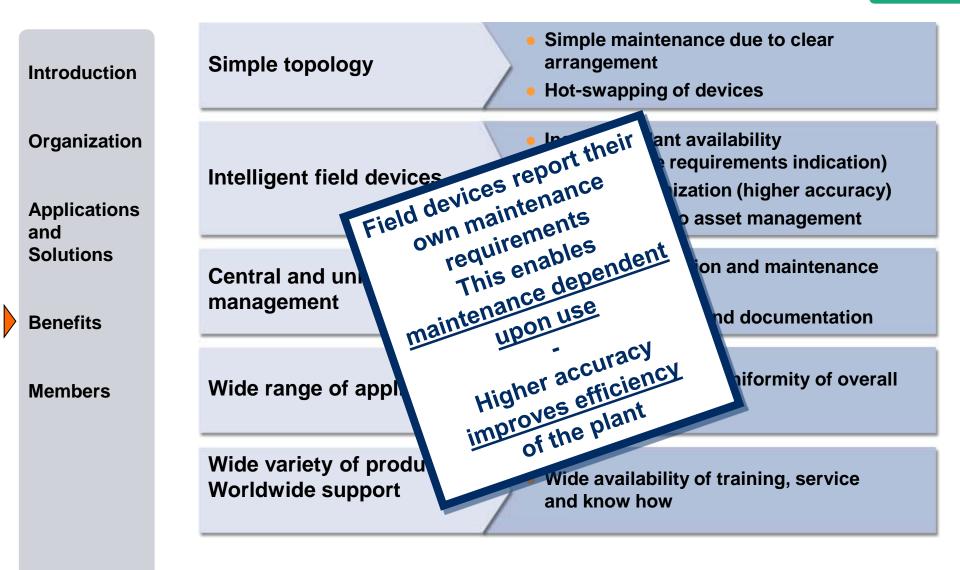


Savings on Assembly



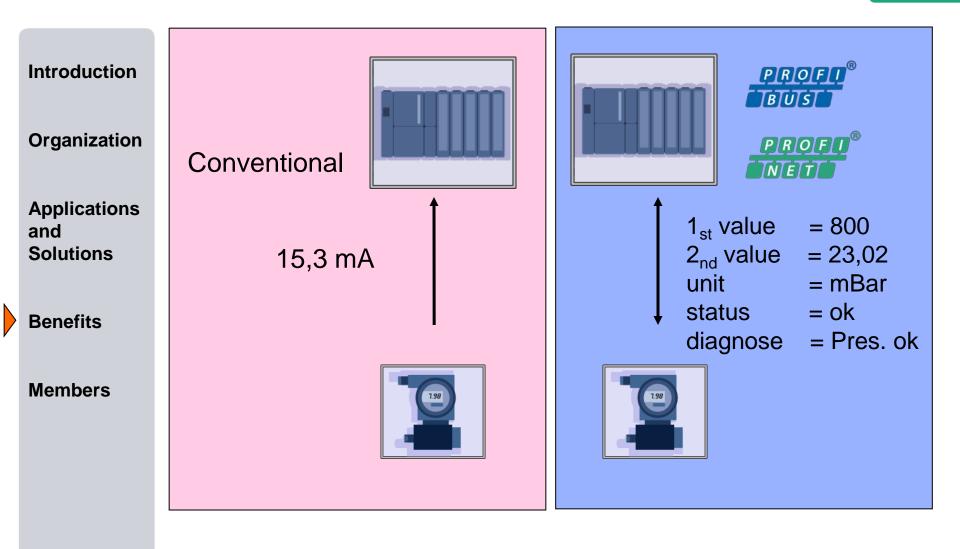


Savings on Production (Operation and Maintenance)



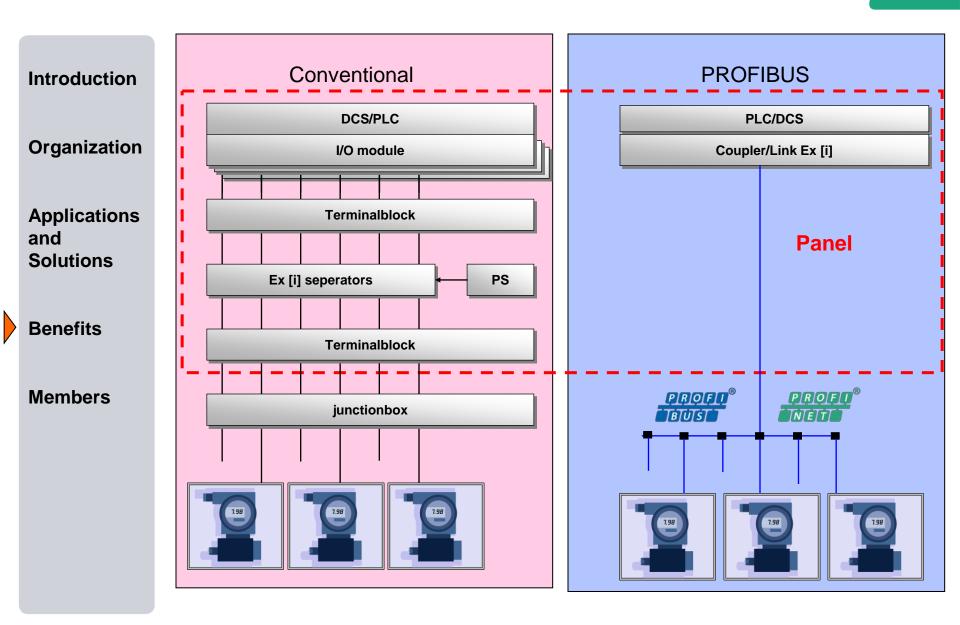


More Information





Easier Cabeling



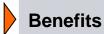


Example

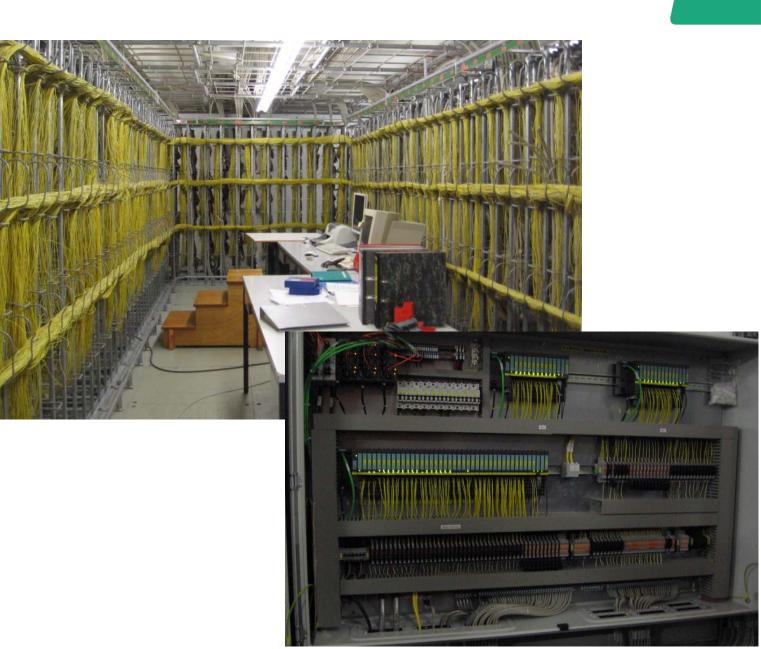
Introduction

Organization

Applications and Solutions

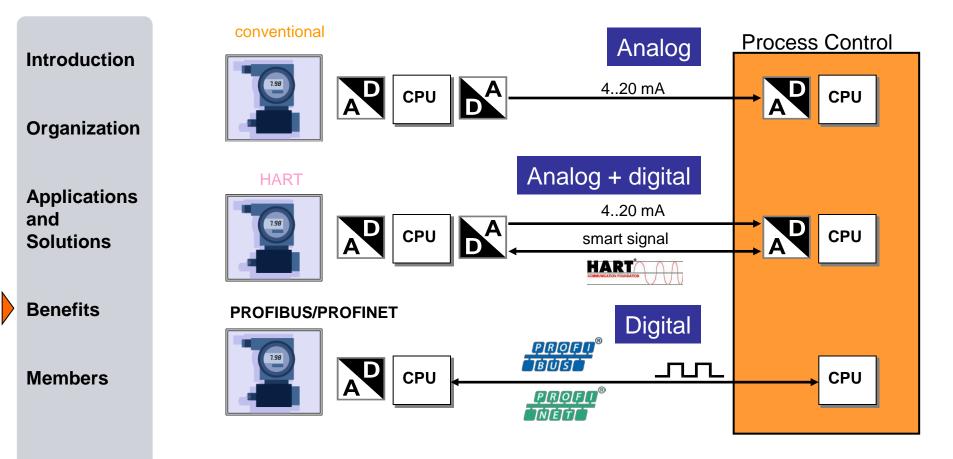


Members





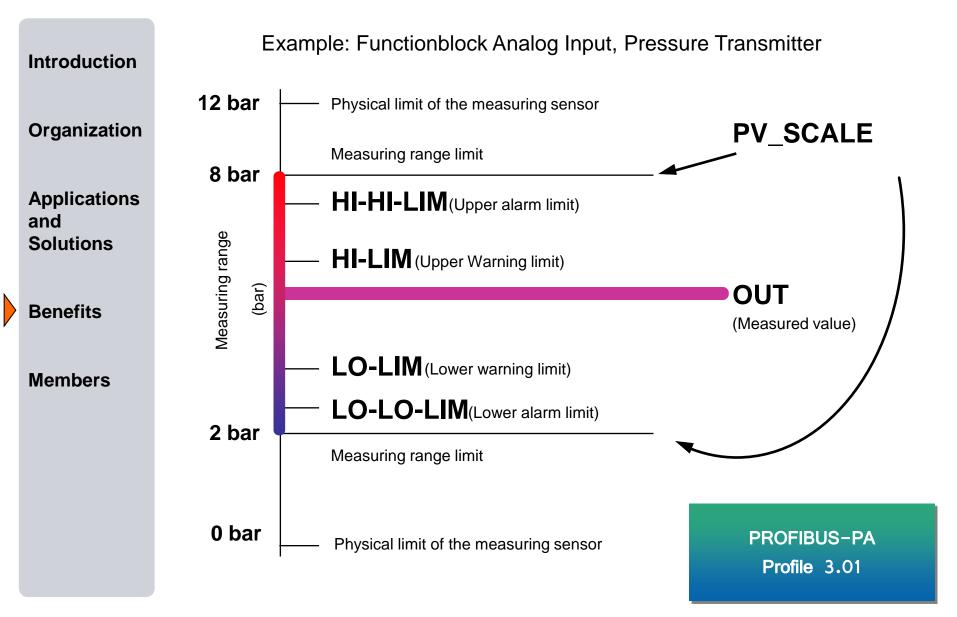
Higher Precision



- Higher accurate of 20% by using PROFIBUS/PROFINET Automation Technology
- Higher process quality
- Less of production losts
- Constant product quality



Warnings in good time - Maintenance





Want to be a part of it?



A Strong Community

| | PI is a non profit association and a the community of |
|------------------|---|
| Introduction | End Users |
| Organization | System Integrators |
| Applications and | Vendors |
| Solutions | Research Institutes |
| Benefits | |

Members

- which are interested in PROFIBUS and PROFINET communication technologies.
- Membership in PI offers you a large choice of benefits



Member Benefits

- Introduction
- Organization
- Applications and Solutions
- **Benefits**
- Members

- Receive actual information about all PROFIBUS/PROFINET news
- All members are permitted to enter descriptions of their PROFIBUS and PROFINET products and services in the Online Product Guide, free of charge.
- All members may publish the GSD/GSDML-Files for their Devices in the Online Product Guide for free.
 - Hotlinks from Members List: All members are entitled to install a hotlink to their Homepage from the list of members page.
 - Free Publication of Product Information and Application Stories in PROFINEWS, which is the official worldwide newsletter of PI.





Member Benefits

Introduction

Organization

Applications and Solutions

Benefits

Members

- Join Roadshows and fairs, organization is done by the PI-Association.
 - Create new customer contacts
 - Present your technologies at Roadshows and Fairs
 - Promotion of company logo on fairs, Roadshows and news







| Introduction | Free Access to Profiles and Guidelines via Download: With your member password, you can access and download PROFIBUS and PROFINET literature for free. |
|----------------------------------|--|
| Organization | |
| Applications and Solutions | Discount on Training courses: Members of PI profit from discounts on PROFIBUS and PROFINET certified training fees from many PI Training centers. |
| Benefits Members | Use of the PROFIBUS and PROFINET logo: The PROFIBUS and PROFINET logos are registered trademarks. Members of PI are entitled to use the logo in all their written or electronic publications and promotional material. Request a copy from your RPA. |
| | |





Thank you for your attention!

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