Drive Encoder Controller Drive Control Motion or PLC Measurement Application Acquisition PROFIdrive PROFIdrive ENCODER Layer Layer Layer Interoperable Interface PROFINET Interface PROFINET Interface PROFINET Interface profu<sup>®</sup> Initia One Cable for Everythi Supported by the Community Project Source Code + Application Guide

## **Benefits from Multiple Profiles**

- Standardized Application Interface for Motion Control and Encoder
- > Simple Replacement of Devices
- > Consistent Diagnosis



- Safety Integrated for Machines and Systems Reusability of Safety Concepts
- > Interoperable Interface for Drive-Based Safety



- Control and Measurement of Energy Consumption > Coordinated Switch-On and Switch-Off of Entire System Parts
- > No External Hardwired Systems Required

## **Benefits of the PROFIdrive Standards**

>	PROFIdrive Workshops	🗹 Fr
>	PROFIdrive Specification	🗹 Fr
>	PROFIdrive Test Specification	🗹 Fr
>	PROFIdrive Profile Tester	🗹 Fr
>	Independent Certification by PI	Ce

## Support by the Community Project

>	PROFIdrive Profile Device Source Code	🗹 Free
>	PROFIdrive Profile Controller Source Code	🗹 Free
>	PROFIdrive Implementation Guide	🗹 Free

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www.profibus.com/PROFIdriveMarketing





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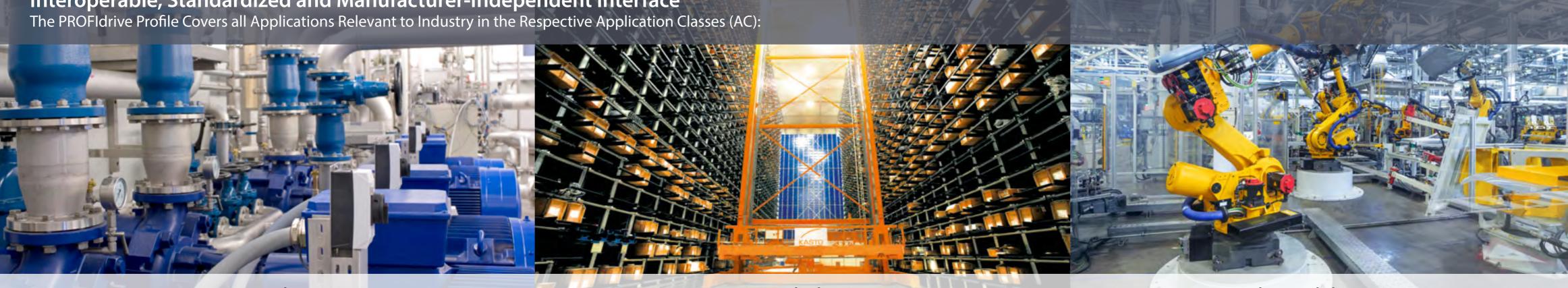
## Drive Technology that Boosts your Business!



**PROFIdrive** Motion . Drives . Encoder



# Interoperable, Standardized and Manufacturer-Independent Interface



Pumps, Fans and Conveyors

**Positioning and Adjusting Drives** 

AC1/AC2 Adjustable-Speed Drives without/with Technology Function

### AC3 **Drives with Positioning Function**



PROFIdrive Technology is > Future-Proof > Ready for Industry 4.0 > Compatible with PROFINET@TSN > THE Solution for your Needs

**CNC**, Robots and Electronic Gears

# AC4/AC5

Synchronous Servo Applications and High-Performance Motion Control Applications

Standardized in IEC 61800-7

and GB/T 25740

**Reusable Program Modules** 

Short Cycle Times up to 31.25 µs

Independent Certification by PI

Parameter Channel

Flexible RT/IRT Cycle Times on one Single Bus