

## Benefits for All Through Technology Evolution

### Benefits for the User

- › Selection of devices used independent of available integration tools
- › No searching for the proper integration for the tool or system used
- › FDI Device Package includes integration software, device documentation, certificates, etc.

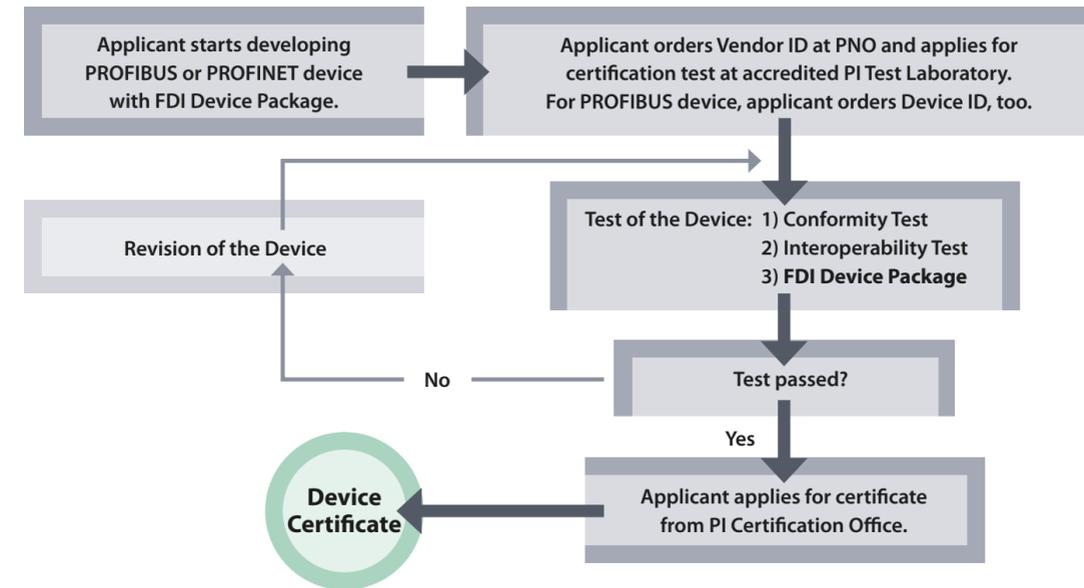
### Benefits for the System and Tool Provider

- › Devices can be integrated into all tools and systems and can be used without restrictions
- › Just one more integration technology
- › OPC UA for direct connection to cloud services (Industrie 4.0, Industrial Internet of Things)

### Benefits for the Device Manufacturer

- › Implementation and maintenance of integration software per device type
- › Ensuring interoperability through powerful development tools and certification of FDI Device Packages
- › Device can be used in all tools and systems

## Certification of Devices with an FDI Device Package



Certification tests guarantee the interoperability of FDI-based solutions and thus ensure perfect interaction over the entire life cycle of the system.

There is no doubt whether the FDI Device Package satisfies all the requirements of FDI technology and can be run hassle-free in FDI Hosts.

Contact to Certification Office:  
[www.profibus.com/products/certification-office/](http://www.profibus.com/products/certification-office/)



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## Device Integration for Industrie 4.0



**FDI**  
 The Evolution for the Revolution

## FDI – Added Value for Users, Device Manufacturers, System Providers and Tool Providers



Paving the Way for the Digitization of the Process Industry



Cost Reduction for Users



Ensuring Interoperability

### To Protect the Investment

The success story of intelligent field devices has been told for several decades. PROFIBUS and PROFINET devices can be found around the world in a wide variety of systems.

As the devices evolved, so did their integration. Backward compatibility and reuse of existing solutions and technologies have been of paramount importance in the development of FDI.

FDI combines the advantages of EDDL (Electronic Device Description Language) and FDT (Field Device Tool) technologies. New concepts have been added to ensure both interoperability and OPC UA as a gateway to the world of Industrie 4.0.

No revolution, but a significant step forward.  
The evolution of device integration.

### The Evolution of Device Integration

#### Stress-Free

- › Unified device integration
- › One package contains everything necessary for device integration
- › Identical integration for PROFIBUS and PROFINET systems

#### Future-Proof

- › Earlier investments in EDD and FDT/DTM are protected by migration paths
- › Connection to cloud services is prepared
- › Integrated lifecycle concept (e.g., compatibility rules, clear versioning)

#### Interoperable

- › Uniform behavior via standard software components
- › Development environment with execution environment reference for the device manufacturer
- › FDI Host and FDI Package certification for quality assurance

### Support by PROFIBUS & PROFINET International (PI)

PI helps device manufacturers and ensures interoperability for the user with test and certification services and software products to implement FDI Hosts and FDI Device Packages.

In addition, PI continues to develop the technology in cooperation with the FieldComm Group and the FDT Group, ensuring that the future path of PI technologies will be perfectly supported by FDI.

