

Intelligent Customization Process for MTP Adapter Modules for Railway Communication



Overview

Klaus Lechtenböcker from EPLAN shows how P&ID flow diagrams can be created efficiently in the MTP tool chain and exported as MTP. Laurids Beckhoff guides you through the process of module definition and development along with automatic PLC and human-machine interface. The Module Type Package (MTP) is a concept that allows process technology plants to leverage maximum potential across the board, from the planning phase through to operation. This makes MTP a crucial component in the development of future modular automation solutions. 0 as new consistent set of documents! Member Review for MTP Specification part 1 has been kicked off on June 12, 2024 After the initial release, a release of the MTP Specification is planned every 2 years. What is MTP?

In many places, the process industry is characterized by large systems that have been in operation continuously. MTP is a description semantic – comparable to a device driver – with the help of which your system, laboratory or technical center can be reconfigured quickly and easily. Plug & Produce enables modules and devices to be integrated as easily as a printer with a PC.

Article Content

Jul 17, 2025

Module Type Package (MTP) | Yokogawa Electric Corporation

Yokogawa provides a comprehensive MTP solution, enabling developers, systems integrators, and end users to easily integrate the Yokogawa CI Server with MTP-compliant subsystem modules.

Sep 30, 2025

Modular Automation with the Module Type Package | WAGO

Together with NAMUR and ZVEI, WAGO has paved the way for the “Module Type Package” (MTP). With its MTP solutions, WAGO can help you take advantage of these opportunities and make your ...

May 05, 2026

Novel approach for validation of innovative modules for railway traffic ...

Further detailed discussion in this paper relates to the approach to validating the communication platform demonstrator as a functional entity, and as a virtual testing environment to ...

Oct 05, 2025

Module Type Package | for process industry and automation

Plug & Produce enables modules and devices to be integrated as easily as a printer with a PC. Shorten your time-to-market and changeover times and increase your efficiency. Greater flexibility in your ...

Jul 04, 2025

An Ontology-Based Capability Description of MTP Modules

Applying the MTP concept leads to a modular production which can easily be adapted by adding, subtracting, or exchanging in-dividual units. In order to leverage this flexibility, it is important to know ...

Jan 12, 2026

TIA Portal Application Example for MTP Creator including Customizing ...

The application example contains a TIA Portal project engineered with the library MTP creator customizing variant. It presents a Process Equipment Assembly (PEA) that consists of a Tempered ...

Jan 17, 2026

Module Type Package (MTP) | Phoenix Contact

Modular automation has never been more flexible: The MTP DESIGNER from Phoenix Contact enables fast configuration and startup of module systems. MTP-compliant modules are generated ...

Feb 03, 2026

TIA Portal Application Example for MTP Creator ...

The application example contains a TIA Portal project engineered with the library MTP creator customizing variant. It presents a Process Equipment Assembly ...

Dec 27, 2025

Module Type Package (MTP) | Beckhoff Worldwide

The MTP, which is defined in accordance with VDI/VDE/NAMUR 2658, contains all the information necessary to integrate a process module into a modular plant, including functions in the form of ...

Mar 07, 2026

Module Type Package

The MTP contains all necessary information to integrate a module into a modular plant, such as the communication, the services, a human machine interface (HMI) description and maintenance ...

Dec 07, 2025

Module Type Package Plug and Operate for Process Industries

In 2024, MTP V2.0.0 and Best Practice Papers will boost market adoption of MTP. In 2025, Conformance Tests will boost interoperability. Orchestration incl. communication config. Import of ...

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