



CNCnetPDM

Connects highly diverse devices to your applications

<https://www.inventcom.net/cncnetpdm/general/data-sheet>

CNCnetPDM

CONNECT IT, UNDERSTAND IT, CONTROL IT

Inventcom's standard software CNCnetPDM allows you to seamlessly integrate devices from different manufacturers with your existing IT infrastructure without the need for additional hardware or modifications of the equipment.

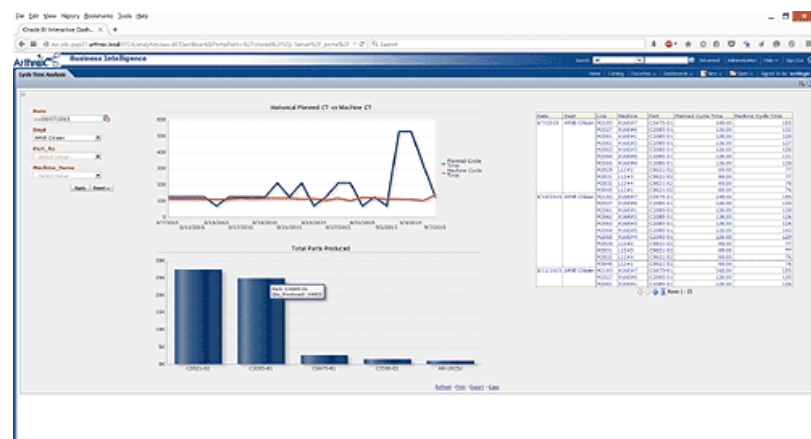
You can read data from devices by using their standard communication interface, translate it into comparable information and output it to your application. CNCnet PDM also enables communication between different machine types and their control from within your application.

APPLICATIONS

With CNCnetPDM you can deliver data from technical resources to any solution from MES/ERP to IoT and Big Data and everything in between. Examples:



Throughput analysis



Cycle time analysis



FEATURES

DEVICE CONNECTION

Establishes connections to remote devices by sole accessing and using their standard communication interface for example: Ethernet network, Serial interface, Bluetooth, USB, Manufacturer specific networks and bus-systems (HSSB, EIB, CAN, PROFIBUS...)

DATA ACQUISITION

Acquires data by utilizing the preferred communication protocol of the device. Collects information by either reading data in adjustable intervals (solicited messaging) or based on events (unsolicited messaging). Translates manufacturer specific output into standardized information including: Device state, Output quantity, Work order, operation and part number, Quality information and Process data

DEVICE CONTROL

Translates standardized input into manufacturer specific commands and transmits them to the device. Allows remote control, setting and changing of parameters as well as 'tagging' equipment with information like work order data which then can be read together with machine data.

M2M COMMUNICATION

Conditions at a local device can create standardized commands which are sent to the driver of a remote target. On reception these commands are translated into input understandable for the receiver. This data can be used to control the device, set or change parameters.

DATA OUTPUT

Outputs data acquired from connected devices in homogenous, comparable form to OPC UA, MTConnect compatible applications, or database targets (Oracle, MS SQL Server, MySQL or MariaDB) where it can be read by your application.

DATA INPUT

Enables you to send data and control your equipment directly from within your application. You can send standardized commands to CNCnetPDM which translates and transmits them to the respective device.

BENEFITS

- Connects highly diverse devices directly to your applications.
- Enables consistent monitoring of your equipment and delivers actionable data in the appropriate context in near real time to responsible persons.
- Provides functionality for machine-to-machine (M2M) communication and control of technical resources from within your applications.
- Can be implemented in a timely, cost-effective and reliable manner because no additional hardware or modifications of the devices is required. A common machine park can typically be integrated with an existing IT infrastructure within weeks.
- All tasks required for setup, configuration and maintenance can be performed from a remote location.
- You profit by usage of customizable software interface modules for various device types apart from the elimination of hardware costs from significantly lower total costs of ownership on systems infrastructure.

SPECIFICATIONS

GENERAL	
Program type	Foreground program or background service
Number of devices	Up to 54 per program / service instance
Extras	Attachable graphical interface for monitoring and configuration
Software APIs	MTConnect Adapter Socket Server OPC UA Server
Database support	Oracle 11g - 12c Microsoft SQL Server (Ver. 2008 - 2019) MySQL & MariaDB (Ver. >= 5.5)
PC / SERVER	
Operating system	All Microsoft Windows Operating Systems from XP (32 and 64 Bit) to Server 2019
REMOTE DEVICE	
Communication interface	Any interface accessible by an external IT device

RESOURCES

Download <https://www.inventcom.net/download>
CNCnetPDM comes with a free license.

Support <https://www.inventcom.net/support>
Get help with setup, configuration and operation.

Contact <https://www.inventcom.net/contact>
Learn more about us, our products and services.



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