CDP Studio

Independent development tool for control systems.

CDP Studio is the ultimate environment for developing automation solutions, suitable for a range of different applications; for small and large industrial systems. CDP Studio is independent of hardware vendors and works across device types. Build new or extend existing systems to add new functionalities to your products. CDP Studio makes you more efficient.
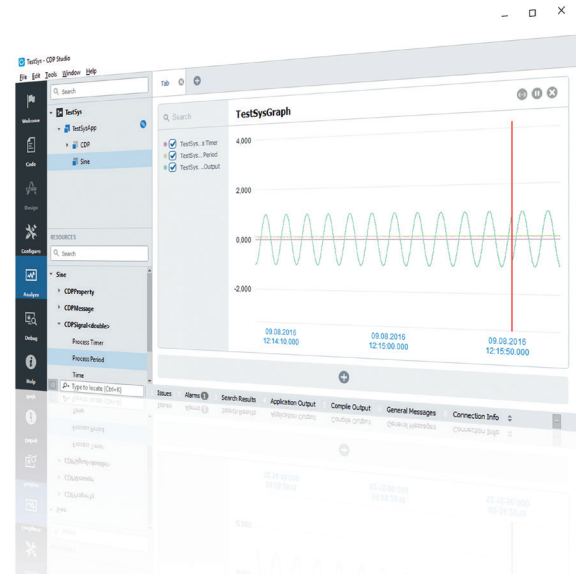
Used by: Seaonics, ICD Software, TTS Offshore Solutions, Rolls-Royce Marine, Havyard MMC, Brunvoll
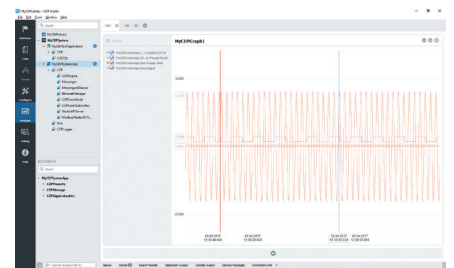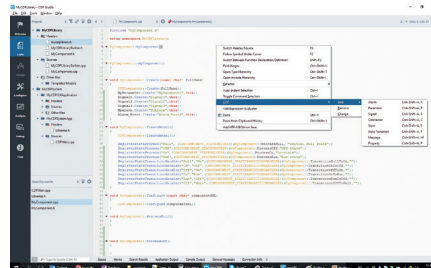
CDP Studio

CDP Studio Integrated Development Environment (IDE)

The CDP Studio IDE is a comprehensive environment for developing control systems.

You can create reusable libraries, develop user interfaces (UI) with custom or predefined widgets, configure and define systems, monitor and graph real time values, debug, and deploy control systems to the target hardware.

Examples of functionality available by CDP Studio IDE

User interface

CDP studio comes with a rich library of pre-made customizable widgets and it is easy to upload your own. It allows you to make your own UI in a few minutes.

Code editor

CDP Studio has automatic code generation. It is easy to make your own reusable components and to create code that can be used with different systems.

Analyze live systems

Analyze live systems, regardless of whether you are connected to a local or a remote system.

Develop and deploy systems efficiently

CDP Studio allows you to create, configure, deploy and observe the control system.

Create

- Build reconfigurable and reusable objects
- Auto generated code
- Use third party libraries
- Develop on Windows or Linux

Configure

- Build systems
- Drag and drop configuration
- Name based signal routing

Deploy

- Toolkits for different targets
- Easy local or remote deployment
- Run on Linux and Window targets

Observe

- Real time view and graphing of all values
- Tune and optimize system
- Maintain and support

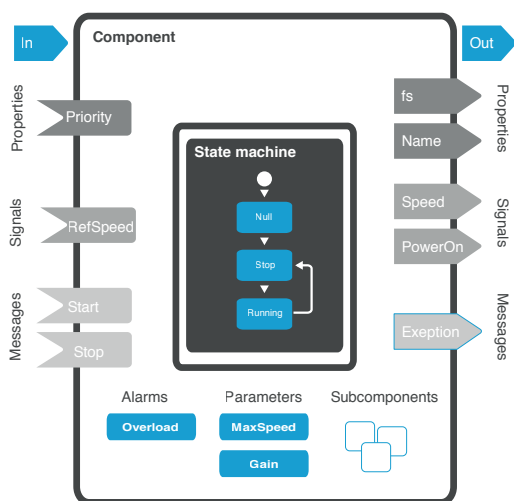CDPStudio   Independent development tool for control systems.

CDP Studio Framework

The CDP Studio Framework is a collection of libraries. The framework contains essential features and readymade functions that you need to build and run control systems.
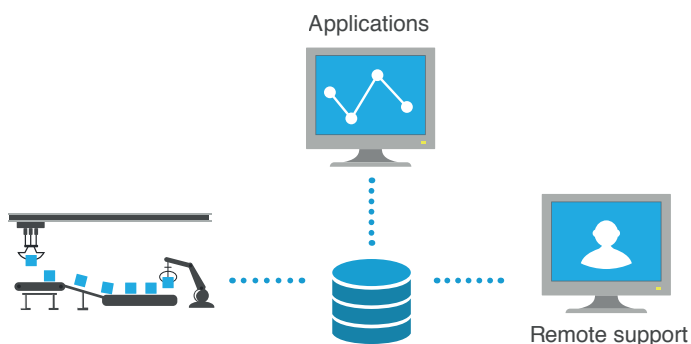
These extensive libraries are the runtime framework that forms the engine in your control system. The libraries contains the complete framework you need, including industry protocols, state machine, signal- and event handling, messaging, set parameters, and a comprehensive collection of useful functions.

Examples of functionality available by CDP Studio Framework

Component generator

All standard control system components included.

Data logging

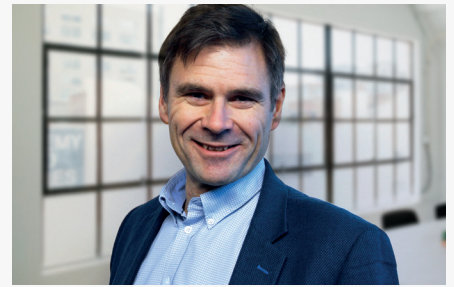Log any signal, view in Analyze mode or build dedicated applications.

System architecture & target hardware

CDP Studio can be used on multiple types of hardware platforms and operating systems, supports distributed, and real-time systems.
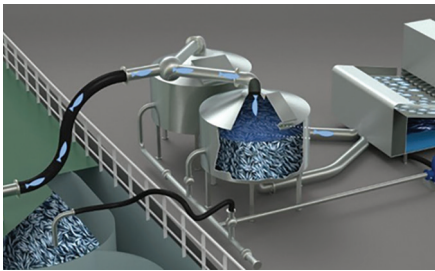
The development tool is independent of hardware vendor and device type. You can run systems in a multivendor environment combining IPC, industry controllers and Raspberry Pis. You can distribute applications and functionality over multiple controllers. CDP Studio supports true real-time control systems. CDP Studio control systems run on Linux or Windows.

Independent development tool for control systems.

CDPStudio

> "Our ambition is to provide you with the most reliable and efficient tool to develop automation systems. CDP Studio gives you the flexibility to select hardware fit for purpose, and is guaranteed to support you throughout your control systems lifetime."
>
> Øyvind Stevenson, Managing Director

Examples of use

Process and production line

Havyard MMC delivers CDP based control systems for fish processing plants and fish handling. These systems control mechanical parts, temperature, pump pressure, transport systems for moving fish inside the processing plants. Intuitive graphical user interfaces ease the system operation.

Extend systems

EMGS has a fleet of electromagnetic (CSEM) vessels for oil exploration services. They are extended with data loggers, real-time monitoring and data analysis that provides the operator with a real-time graphical view of accumulated wire usage, allowing EMGS to extend the lifetime of the umbilical cables.

Motion compensated gangways

Uptime International use CDP systems for their motion compensated gangways. These are used on mission critical systems for offshore wind farms and for offshore oil exploration. The world's first motion compensated helideck is also delivered by Uptime International and developed using CDP.

Our customers use CDP Studio because it is:

Comprehensive
Offers a complete feature rich development environment in a single solution.

Independent
Allows you to create designs independent of constraints imposed by other systems.

Reliable
Creates reliable control systems that can be used in mission critical systems.

Efficient
Created to simplify control system development.

Get in touch

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