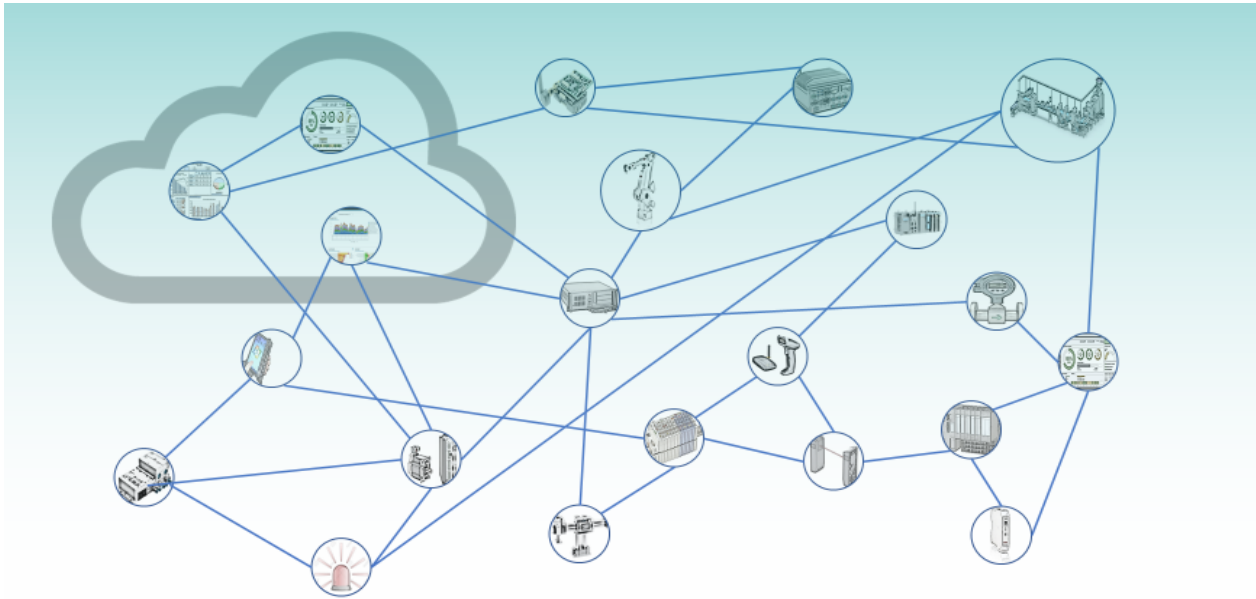


FOURZERO™

Development Platform for Control Networks



FourZero Software is designed to create virtual or physical, programmable industrial automation devices for a fully networked digital manufacturing environment.

FourZero Studio allows users to develop application programs for networked systems which consists of any mixture of FourZero enabled devices.

FourZero Runtime enables device manufacturers to create programmable networked devices for any of these market segments: PLC, DCS, PAC, Embedded Controllers, Intelligent Sensors and Actuators, Motion Controllers, Mechatronic Units

FourZero Technology is an innovative, alternative approach to classical device oriented programming, adding these unique capabilities:

- Virtualization
- Modularization
- Elevating adaptability in automation to a completely new level.

No Matter where. It does not matter on which device you run your program

No Matter what. FourZero-enabled devices are capable to adapt to any future challenge.

Ready for the digital future:

Be prepared for the future by unprecedented adaptability, portability and interoperability.

Create devices fit for the digital future.

Master complex systems:

Keep track over complex systems by breaking down your programs in manageable modules.

FourZero reduces development cost:

Protects your IP investment through fully reusable code.

Reduces the number of physical devices in your system by running virtual devices on any Controller in the system.

Reduces the number of different tools to set up your Automation system to just one tool. The range of use spans from Sensor-Networks, Machine Control, Process Control up to the level of implementing SCADA and MES system functionality on embedded devices.

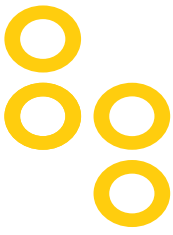
Eliminates the need for extensive hardware in the loop tests by simulation. The program is developed independent of hardware. The behavior can be fully tested even without hardware in the loop.



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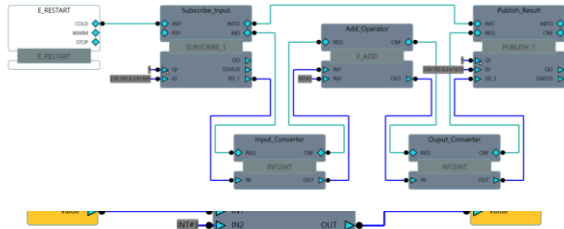


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Features:

FourZero Studio offers a well-designed, graphical, object oriented editor to create Application Blocks from a set of pre-defined Function Blocks



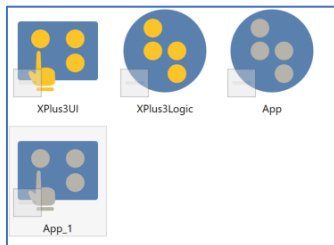
Users can define their own Function Blocks using an Interface Editor, State Machine Editor and LUA Code Editor:

```

Algorithms: OnResetCounter
1 -- lua script to be executed by this algorithm
2 function OnResetCounter()
3   -- use following API calls to get and set function block data
4   -- local IN1 = getValue("IN1")
5   -- setValue("OUT1", value)
6   setValue("Index",0)
7 end -- lua script
8

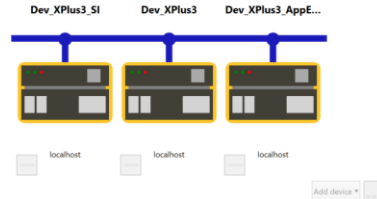
```

Combine Application Blocks to APPs:



APPs are the highest level of hardware-independent program modules, while Function Blocks are the smallest granular program units.

APPs are deployed to Devices in a last project step. The Device Manager uses a graphical representation of the network.



FourZero Devices are IEC61499 compliant:

IEC 61499

The New Standard in Automation



FourZero Runtime can be installed on a large variety of Operating Systems including:



Visit our Website to find out more about FourZero:

FourZero and Industry 4.0

Creating a Cyber Physical System with FourZero

Creating software for modular machines with FourZero

DataBazar instead of DataBase: Combine data from different sources to new APPs.

<http://automationofthings.de/Downloads>



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