

We help to design and to carry out
your Industry 4.0 and IIoT projects

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Consulting

- requirements analysis and time schedules
- hardware design and communication protocols
- cost estimation and analysis

Training

- OPC UA information model - the basics
- OPC UA design and modeling approaches
- interfaces and Third-party integration

Engineering

- requirements analysis and management
- planning and scheduling
- design, modeling and organizing
- tools, techniques and implementation
- testing and system integration
- deployment

Programming

- based on bcUA tools and bcUA API
- based on Third-party OPC UA dev tools
- custom engineering

Modeling

- conceptual modeling of problem entities
- representation and coding with OPC UA entities
- testing and validation of the application model

Licensing

- bitcontrol® UA Runtime System
- bitcontrol® UA Project Engineering System
- bitcontrol® UA Development API

Service and Support

- i40.bitctrl.de Web portal & issue tracking support
- operation & maintenance of customer application
- 24/7 support contracts upon request

bitcontrol® UA Project Engineering System bcUA PES

- OPC UA information model, version 1.03
- Web server application in the cloud or intranet
- Web browser GUI
- NodeSet upload / generation / download
- OPC UA information model design
- OPC UA companion standards
- multi-user and multi-language support
- collaboration tools
- issue tracking tools

bitcontrol® UA Runtime System bcUA RTS

- OPC UA Server
- integrated OPC UA Stack
- Nano, Micro and Embedded Server Profiles
- Operating Systems: Linux, Windows, QNX
- portable for x86, x64 and ARM architectures

Possible Interfaces and API

- several Fieldbus Adaptions
- remote terminal and telecontrol
- FlexCtrl SCADA
- Dbus
- Third-Party Classic OPC
- Google V8 / NodeJS

OPC Unified Architecture - OPC UA

- IEC 62541 standard, version 1.03
- further information on opcfoundation.org

bitcontrol®
Unified
Architecture

OPC UA in the Cloud
Industry 4.0 and IIoT
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Collaborative Design of OPC UA information models

