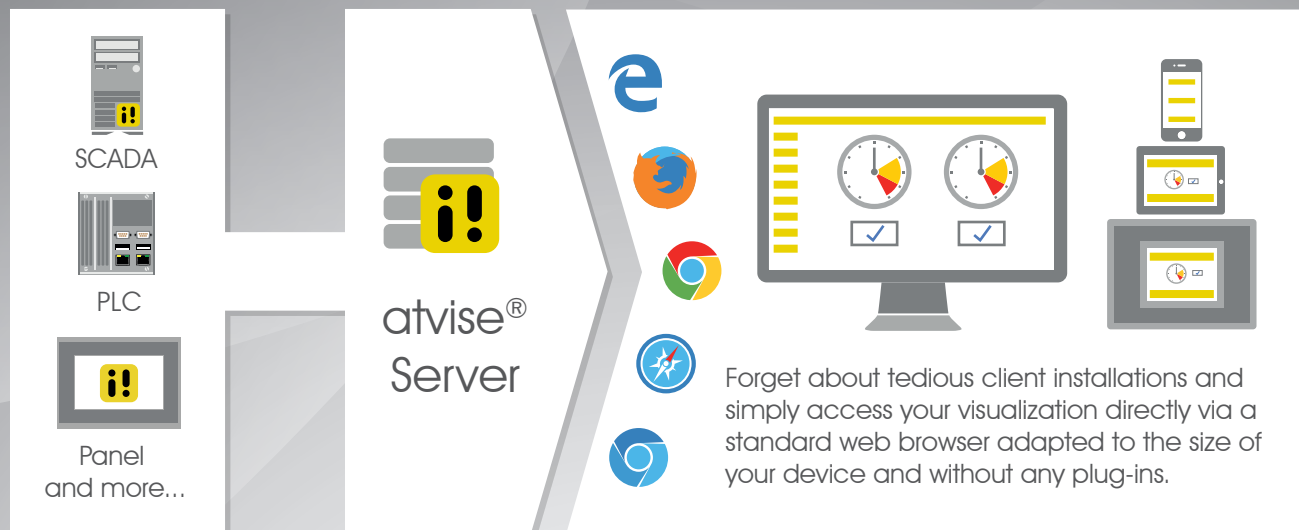




# atvise® scada

Equipped for the demands of the future

From the very beginning, atvise® scada was developed using trend-setting technology: visualization based on native web technology enables operation and monitoring through a standard browser no matter the device or location. The most comprehensive use of OPC UA features, as well as a consistently implemented vertical object orientation of graphic objects and data structures, greatly reduces the work needed to parameterize systems and processes.



Forget about tedious client installations and simply access your visualization directly via a standard web browser adapted to the size of your device and without any plug-ins.

## atvise® scada: Modern, flexible and powerful!

- Scalable from small machine-oriented visualizations up to large applications with millions of data points.
- High-performance responsive web-visualization with touch-optimized object catalog.
- Can be used as a standalone server or in a network with cascaded architectures.
- Data acquisition via OPC UA, S7 Step7 / TIA, Ethernet / IP, Modbus, BACNet, databases, web services.
- High-performance data archiving with 40 available aggregate functions.
- High uptime through hot standby redundancy.
- Highest interoperability due to server and client side implementation of OPC UA DA, HA, A & C methods and aggregates.
- Flexible alarm processing with high level alarm functions (shelving, suppress, deactivate) and freely configurable alarm hierarchies.
- Efficient engineering through vertical object orientation of graphics and data objects.
- Powerful server side JavaScript runtime environment with many features.

## The engineering tool „atvise® builder“ - efficient, powerful and easy:

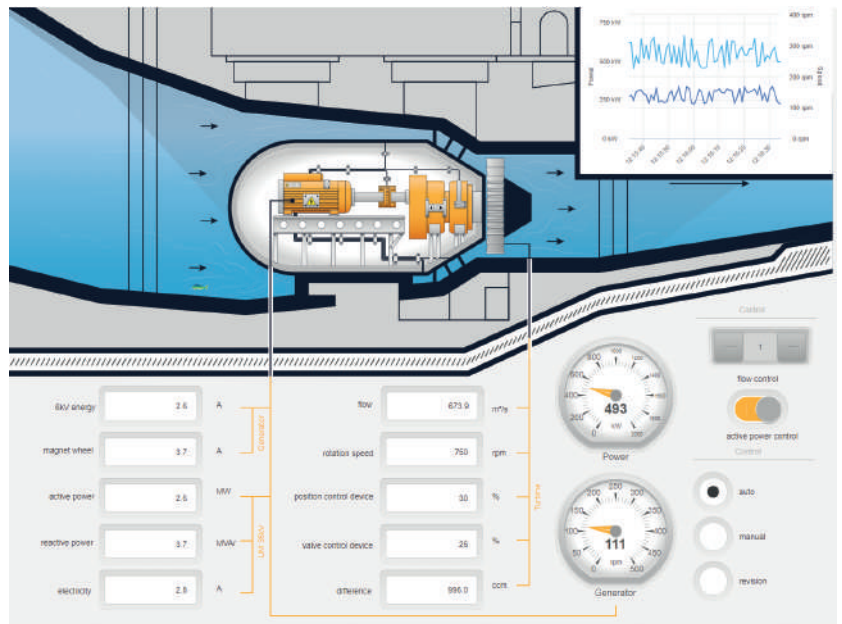
- Online engineering / multi-user: connect to the atvise® builder via OPC UA (TCP / IP) and Internet with the atvise® server.
- For the novice: a comprehensive catalog of graphical standard objects in pure vector graphics and preconfigured dynamics.
- For the professional: simple design of attractive displays, complex dynamics without scripting with freely configurable dynamics.
- For the expert: no external development platform required: the atvise® builder provides a complete development platform including script and source editor.
- All available preconfigured standard objects and control panel layouts have been created with on board tools of atvise® and are fully customizable by the user.
- Customizable user profiles for a tidy development environment.

# Pure web technology on all devices

atvise® is the first professional visualization product developed from the ground up using web standards such as SVG (vector graphics) of the WWW Consortium (W3C). This is the only system on the market which can be displayed and executed by all popular web browsers without any add-ons such as plug-ins, ActiveX, Java, etc. – today and in the future.

## The advantages of pure web technology

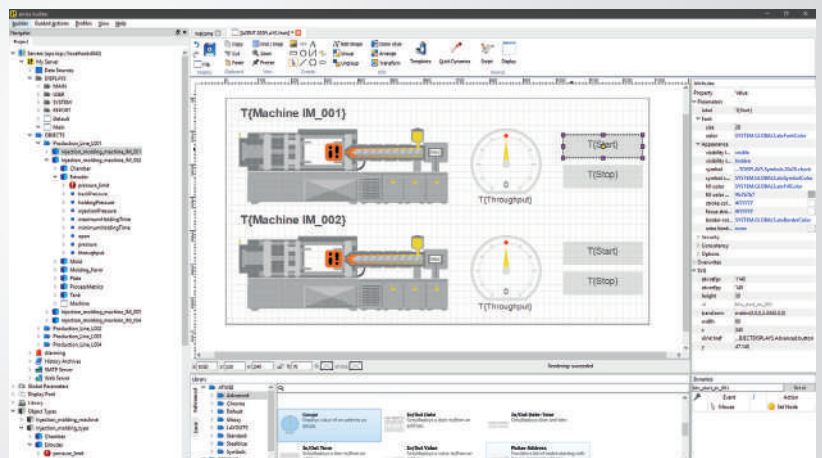
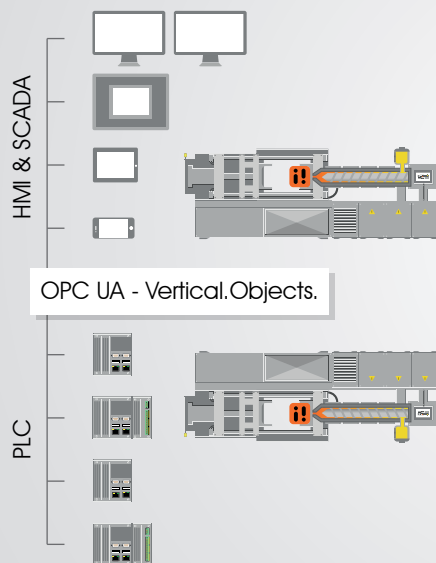
- Web browsers are available everywhere: be it on the plant site or remotely.
- Benefit from the developmental work of a huge community.
- No client installation: less work and maintenance.
- Powerful thanks to vector graphics: highest performance & lossless scaling at all resolutions.
- Easily expandable through client-side scripting.
- Multilingual: the whole world interacts through web browsers.
- Security: based on recognized security standards.
- Full multi-touch and touch gestures support.
- Future-proof: the latest web technology can be integrated and implemented into projects.



## Vertical.Objects

holistic object orientation through OPC Unified Architecture (UA)

OPC UA offers not only modern communication but also complete object orientation. atvise® is the first product to be based on OPC UA, enabling other OPC UA subscribers to connect seamlessly to the communication chain. A data object thus only needs to be defined once, expanded with additional data and can then be used by other systems throughout the whole communication chain.



atvise® builder - perfectly harmonized engineering

## Advantages in engineering through object orientation

- Object structures automatically imported.
- No doubly administered data point lists.
- No time-consuming import/export processes.
- Clear and efficient engineering means fewer configuration and commissioning errors.
- Changes are applied to every object instance.