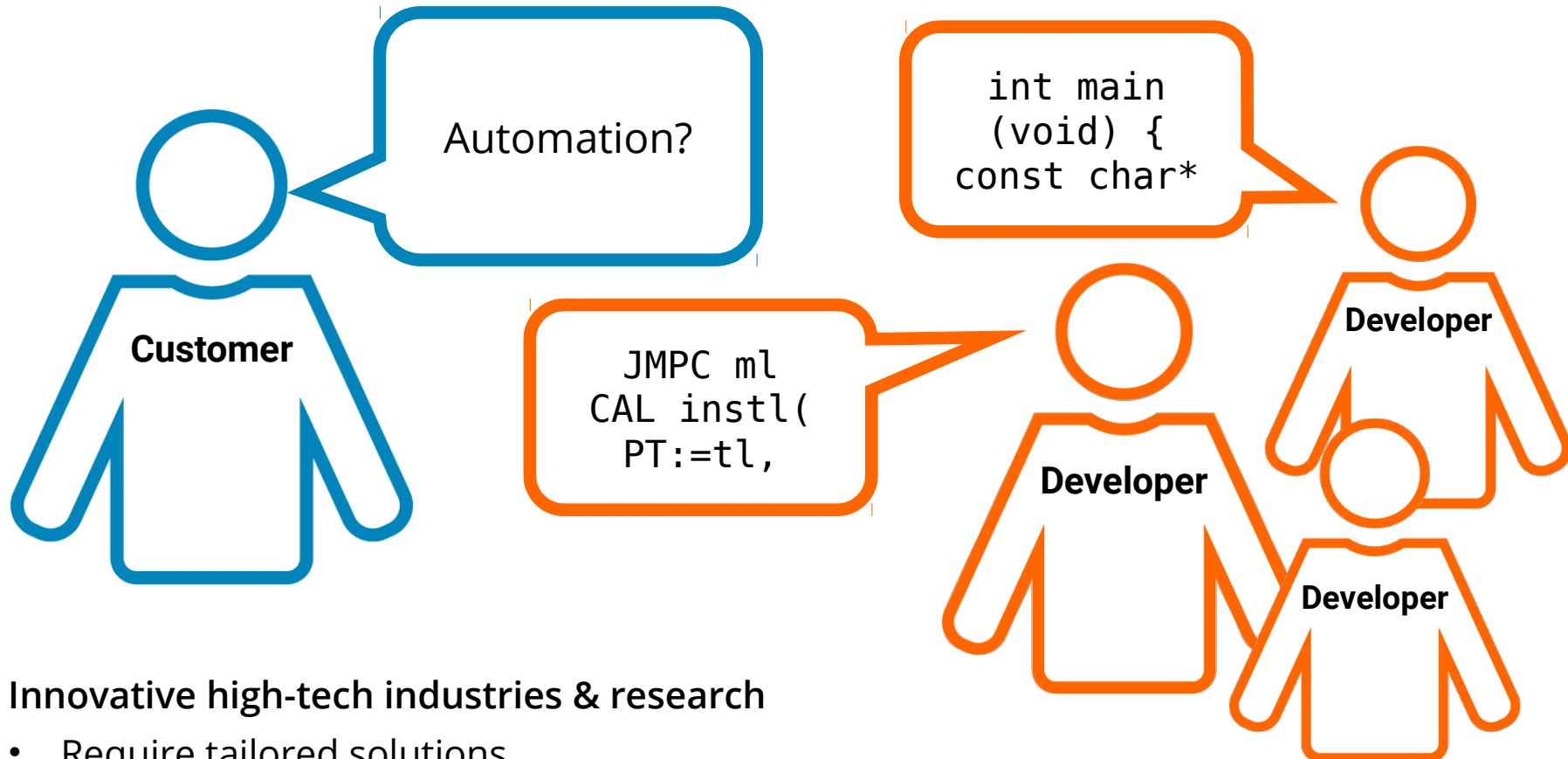




InstruNEXT GmbH  
Magdalene-Schoch-Str. 5  
97074 Würzburg

Contact: Matthias Dallner  
Tel.: 0931 49739331 0

Email: [info@instrunext.com](mailto:info@instrunext.com)  
Web: [www.instrunext.com](http://www.instrunext.com)



### Innovative high-tech industries & research

- Require tailored solutions
- Have unique application-know-how
- No off-the-shelf solutions available on the market

### Customer-specific software solutions

- Demand a lot of time and staff
- High development/operational costs
- Customers and developers speak "different languages"

Instru**NEXT**  
Automation Center

A software platform for process automation, control, data acquisition and monitoring.

Enables customers from industry and research to realize tailored Industry 4.0 solutions independently and with minimal investment of time and personnel.

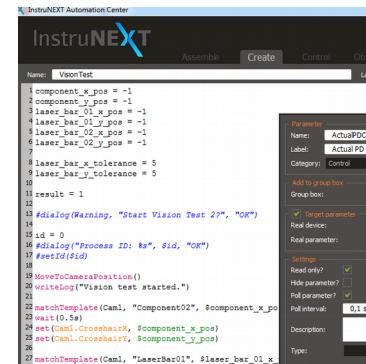
## Control & Automation

```

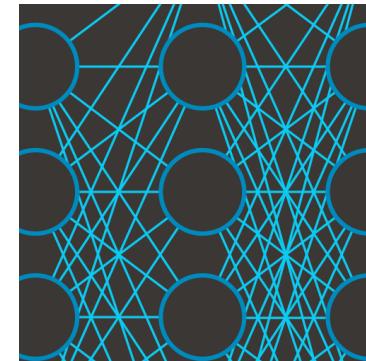
21 if ((horizontal_ofi
22         result = (
23     }
24 if (IO3.In18 == 1) +
25     set(IO2.Out4, 0)
26     wait(0.5s)
27     # Go to start pos.
28     set(Stage.MvAbs, 1
29     writeLog("Stage Ir
30 )

```

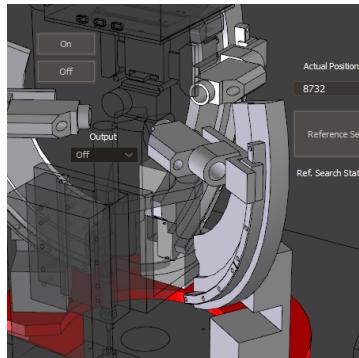
## Engineering



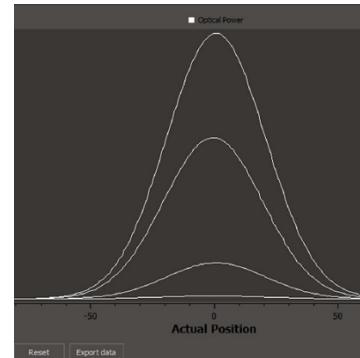
## Machine Learning



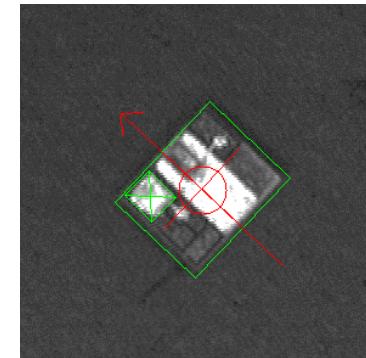
## HMI & Visualization



## DAQ



## Machine Vision

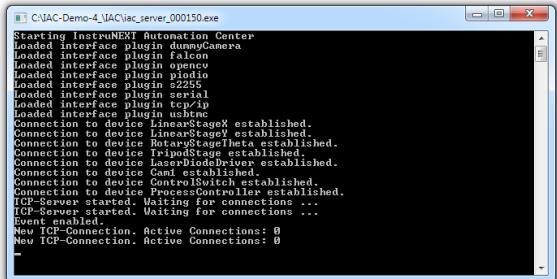


... fully integrated in a single platform!

## Engineering level

### Device level

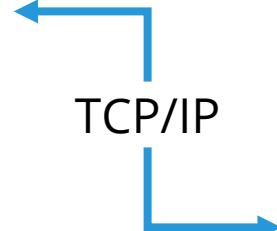
#### Server/Node Application



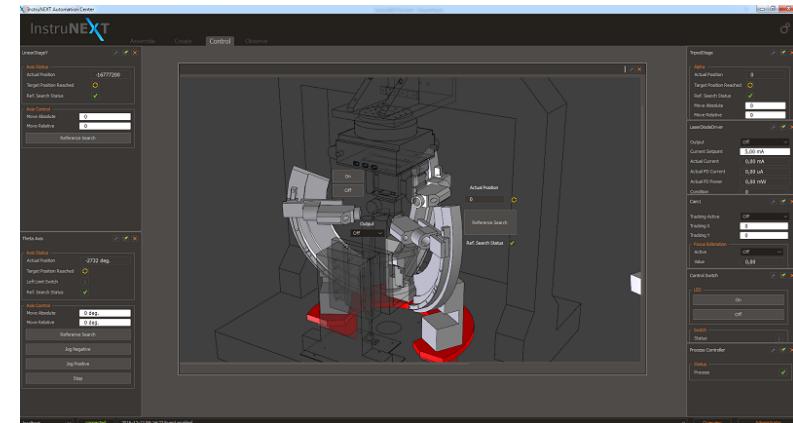
```

C:\JAC-Demo-4\JACiac_server_000150.exe
Starting InstruNEXT Automation Center
Loaded interface plugin dummyCamera
Loaded interface plugin opencv
Loaded interface plugin piodio
Loaded interface plugin serial
Loaded interface plugin tcp/ip
Loaded interface plugin serial
Loaded interface plugin serial
Connection to device LinearStageX established.
Connection to device LinearStageY established.
Connection to device LinearStageZ established.
Connection to device LaserDiodeDriver established.
Connection to device Cani established.
Connection to device ProcessController established.
TCP-Server started. Waiting for connections ...
Event reported. Waiting for connections ...
Event enabled.
New TCP-Connection. Active Connections: 0
New TCP-Connection. Active Connections: 0
  
```

Windows/Linux IPC,  
embedded system, ...



### Client Application (Visualization, HMI)



Windows/Linux PC, mobile device, ...

We are now ready for the embedded world!

InstruNEXT Automation Center runs on

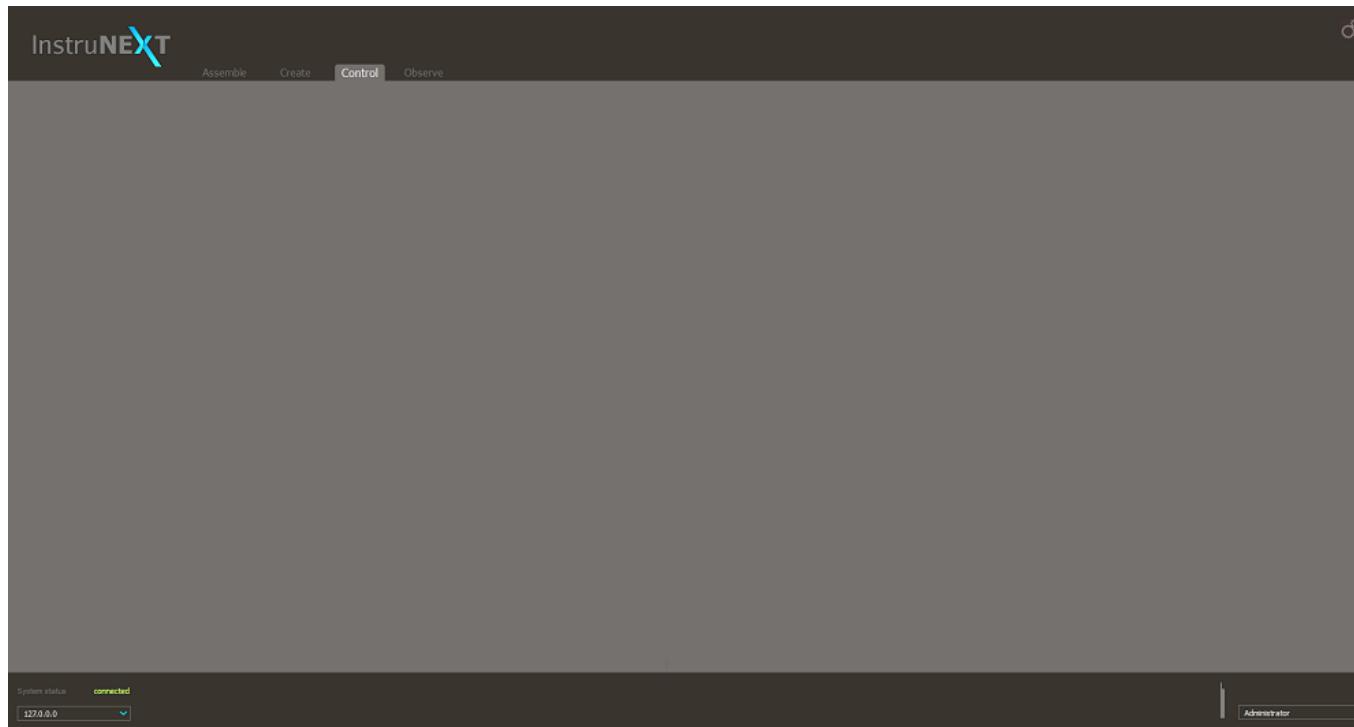
- ✓ Windows      ✓ Linux
- ✓ Desktop PC      ✓ x86/x64
- ✓ Industrial PC
- ✓ Mobile device
- ✓ ARM
  - Internet of Things
  - Embedded devices
  - Smart Sensors
  - Cyber-physical systems

PoC established!

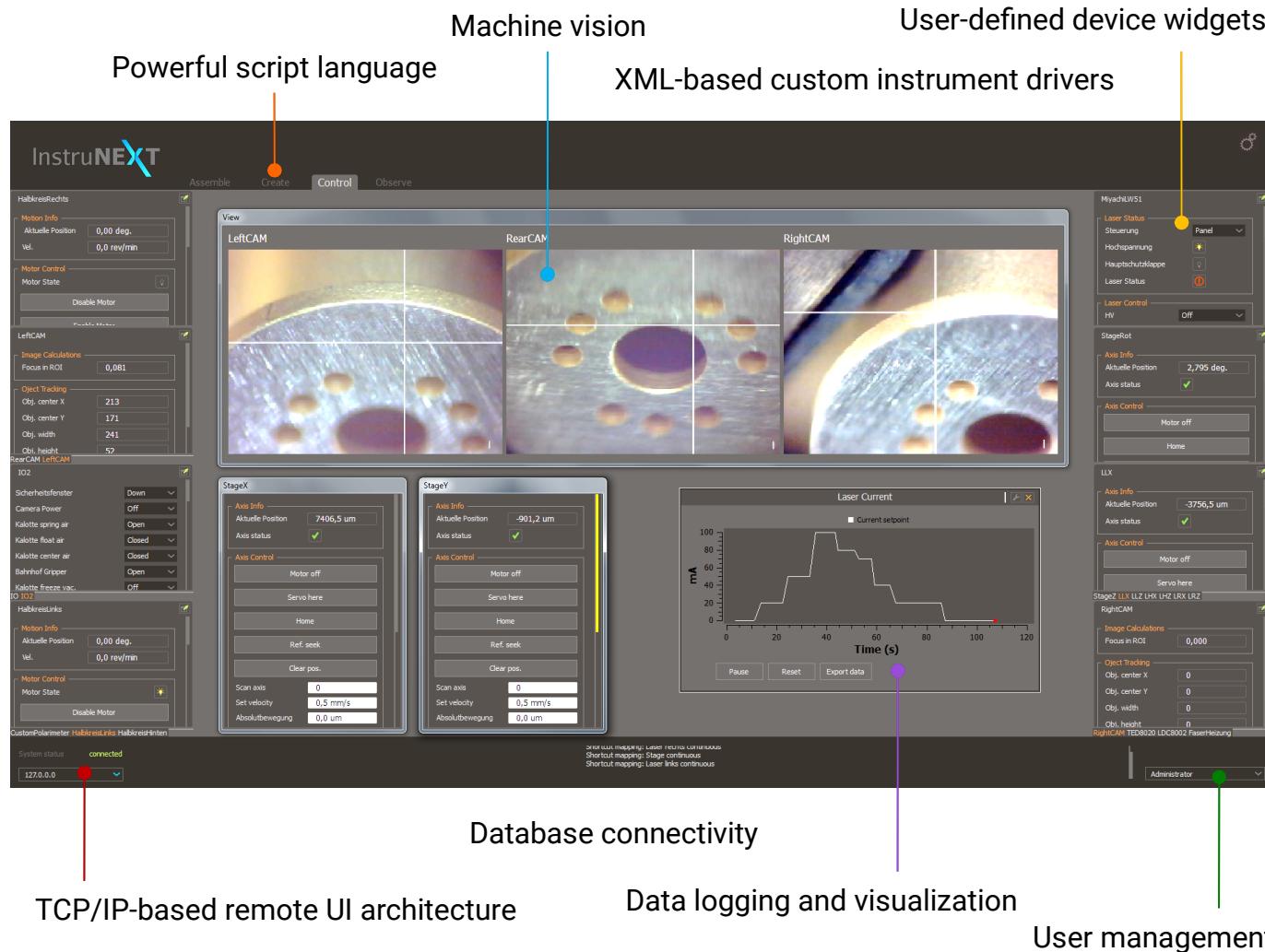
One platform – limitless applications!

- ✓ Ease of use
- ✓ Networking
- ✓ Scalability
- ✓ Adaptability

## Delivery state

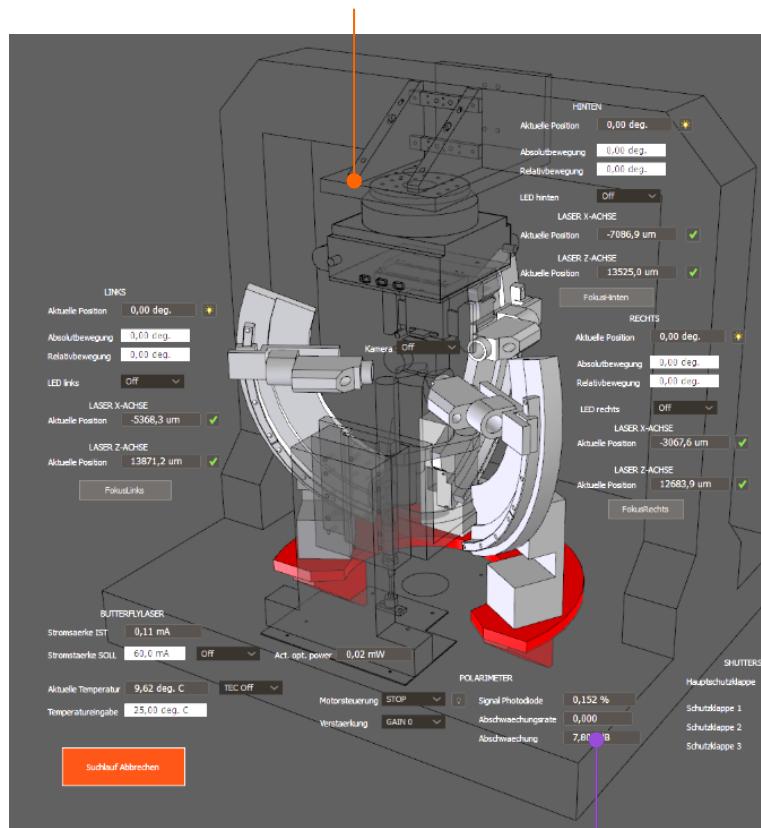


## Individual solution realized by our customer



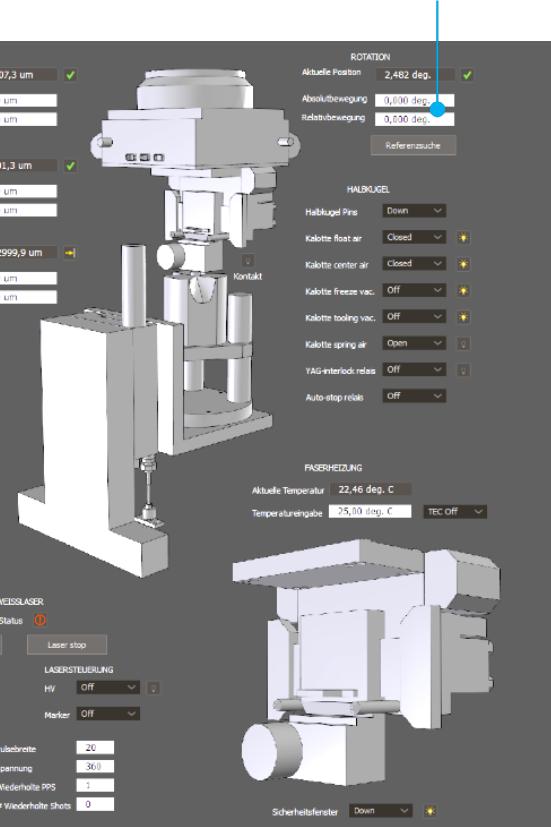
Tailored due to unique end user (operator) know-how

User-defined graphics



Monitoring

Freely customizable controls



Exciting and varied projects in fields like

- ✓ Software Development
- ✓ Machine Vision
- ✓ Data Analysis
- ✓ Machine Learning

Job offers and contact:

[www.instrunext.com](http://www.instrunext.com)

[carrera@instrunext.com](mailto:carrera@instrunext.com)