

# Eclipse NeoSCADA™

Project Update ECE 2016

# Eclipse NeoSCADA

The main purpose of a SCADA (supervisory control and data acquisition) system is to connect to industrial control systems and acquire, monitor, manipulate and store process data:

- Data acquisition (gather data from a variety of systems)
- Monitoring (handle alarms and creates events)
- Data and Event Archival
- Visualization (HMI)
- Value Processing (scaling, calculating, overriding, etc)

# Current release – 0.3.0

- Improved REST API
- Upgrade to Mars
- Systemd support
- Filesystem watcher based configuration updates
- Memory/Performance improvements in the HMI

# Case study with E.ON

- <http://iot.eclipse.org/case-studies/>
- <http://iot.eclipse.org/resources/case-studies/Eclipse%20IoT%20Success%20Story%20-%20E.ON.pdf>

“We wanted a SCADA system we could use with access to some of the developers, which gives us the flexibility to adjust the system to our needs and grow over time.”

# Next release – 0.4.0 – Q1-17

- Target Eclipse Neon, Java 8
- RPM configuration packages on Windows
- Provide artifacts on Maven Central
  - Already done for 0.3.0 at a different namespace
- Integrate IEC 60870 from OpenSCADA
- Provide integration with Apache Camel