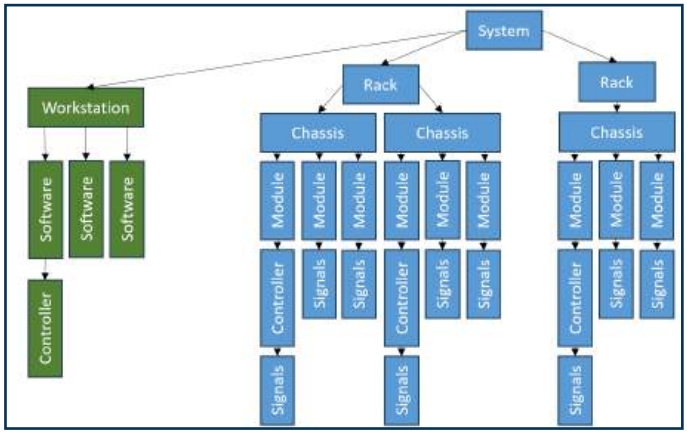
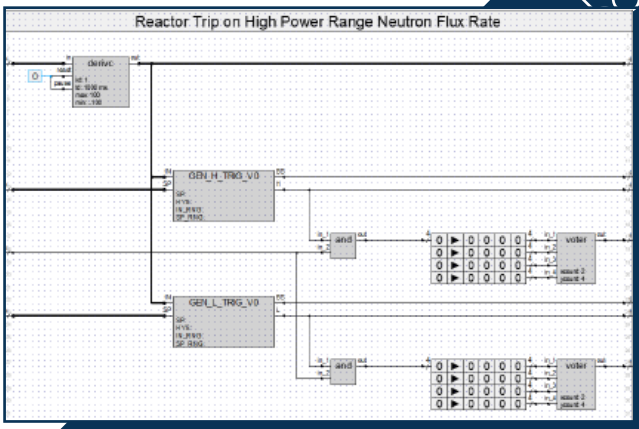
radICS

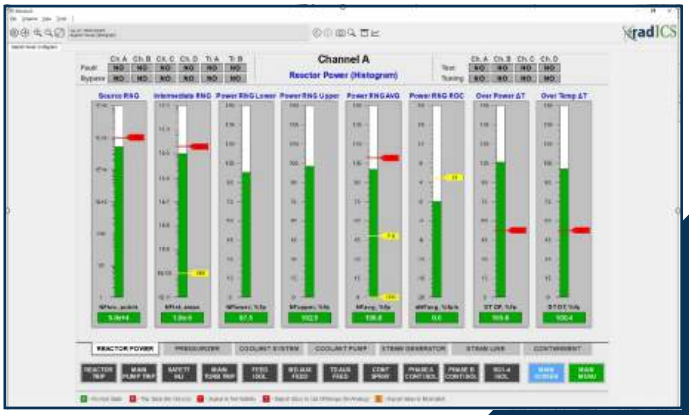
RADICS PLATFORM CONFIGURATION TOOL

INTEGRATED ENVIRONMENT TO DEVELOP PROJECTS FOR I&C SYSTEMS BASED ON DIGITAL RADICS PLATFORM SOLUTIONS

RPCT includes Development, Online and Offline Tools



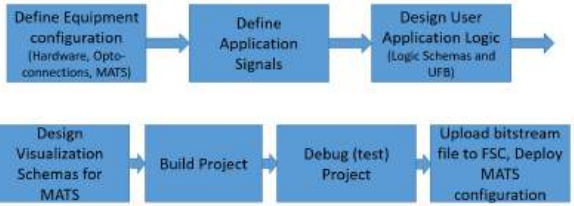


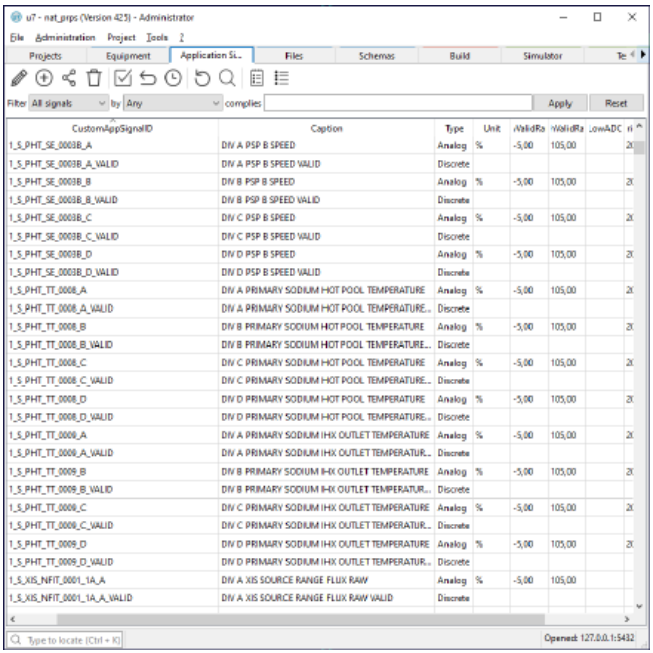


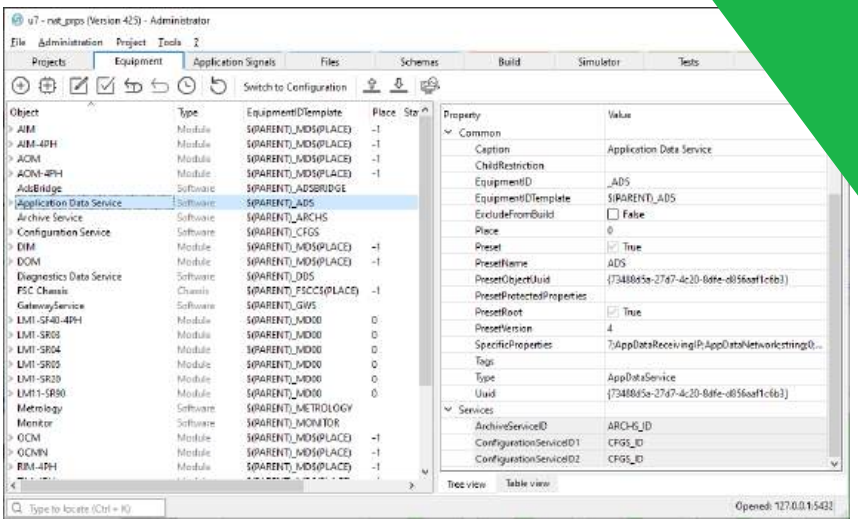
A comprehensive suite for RadICS-based I&C Systems projects

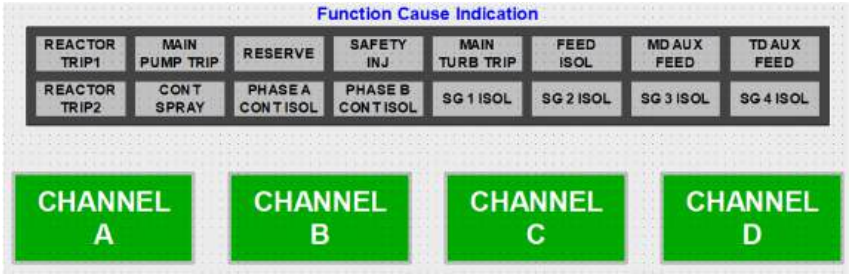
- Development tools include editors, compiler and simulator.
- Online tools include services and client applications.
- Offline tools include verification and maintenance components.

RPCT — Complete IDE for Project Design









Provides tools for a full I&C project development workflow

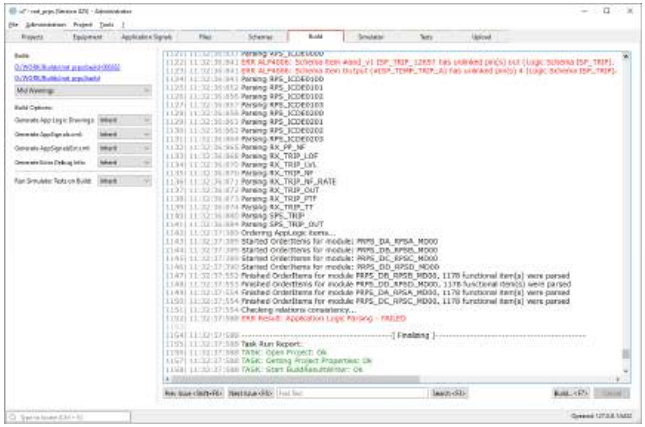
- Configuring the equipment.
- Describing the Application Logic.
- Designing the HMI.
- Compiling the project.
- Simulation and Testing.

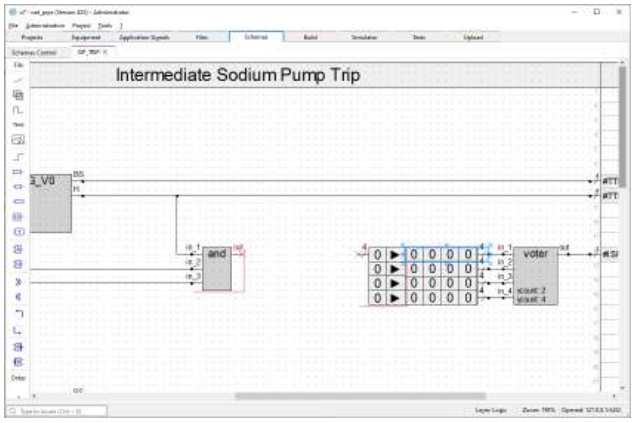

Built-in Qualified
Application Logic Compiler

RPCT includes a qualified compiler that:

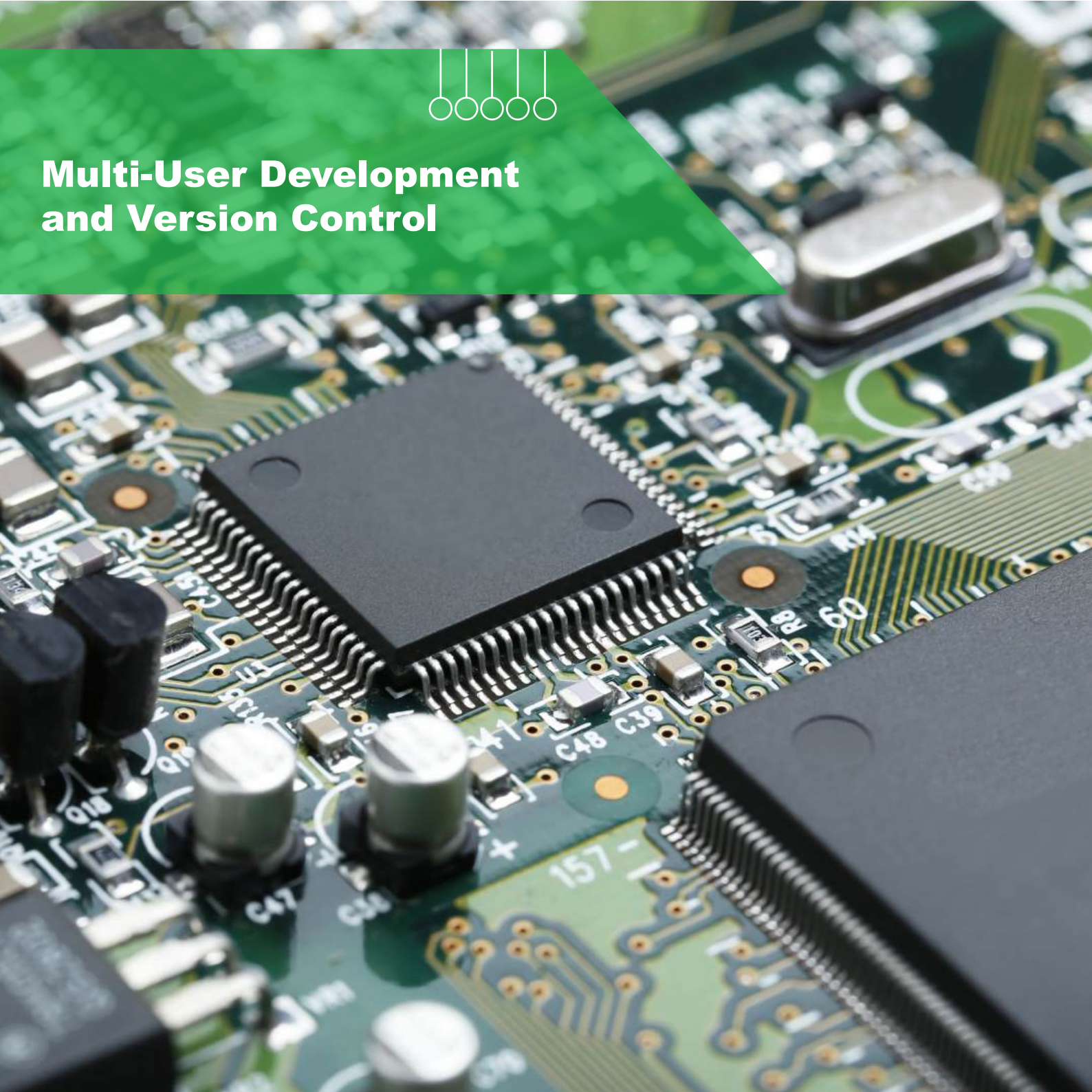
- Checks the validity of all parts of the project.
- Displays error and warning messages.
- Highlights errors on Application Logic schemas.
- Provides extended description of errors and warnings.

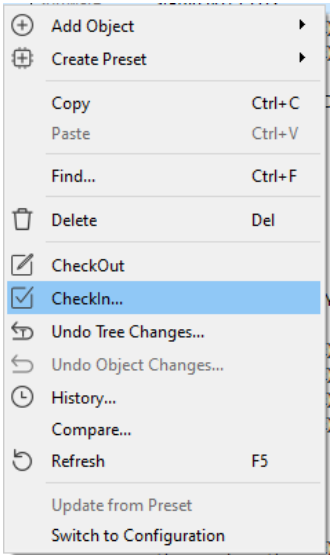
```
1155| 11:32:37:588 Task Run Report:
1156| 11:32:37:588 TASK: Open Project: Ok
1157| 11:32:37:588 TASK: Getting Project Properties: Ok
1158| 11:32:37:588 TASK: Start BuildResultWriter: Ok
1159| 11:32:37:588 TASK: Getting Equipment: Ok
1160| 11:32:37:588 TASK: Checking Equipment Presets: Ok
1161| 11:32:37:588 TASK: Checking Equipment Properties: Ok
1162| 11:32:37:588 TASK: Loading BusType(s): Ok
1163| 11:32:37:588 TASK: Loading AppSignals: Ok
1164| 11:32:37:588 TASK: Loading LogicModule Descriptions: Ok
1165| 11:32:37:588 TASK: Loading SubSystems: Ok
1166| 11:32:37:588 TASK: Loading Connections: Ok
1167| 11:32:37:588 TASK: Loading MATS users: Ok
1168| 11:32:37:588 TASK: Loading DiagSignalTypes: Ok
1169| 11:32:37:588 TASK: Checking SchemaIDs Uniqueness: Ok
1170| 11:32:37:588 ERR TASK: Application Logic Parsing: FAILED
1171| 11:32:37:588 TASK: Saving LogicModule Descriptions: NO RESULT
1172| 11:32:37:588 TASK: Application Logic Compilation: NO RESULT
1173| 11:32:37:588 TASK: Tuning Parameters Processing: NO RESULT
1174| 11:32:37:588 TASK: Modules Configuration Generation: NO RESULT
1175| 11:32:37:588 TASK: Installed Modules Report Generation: NO RESULT
1176| 11:32:37:588 TASK: Bitstream File Generation: NO RESULT
1177| 11:32:37:588 TASK: VDU Fonts Generation: NO RESULT
1178| 11:32:37:588 TASK: Software Configuration Generation: NO RESULT
1179| 11:32:37:588 TASK: VDU Configuration Generation: NO RESULT
1180| 11:32:37:588 TASK: Saving Test Scripts: NO RESULT
1181| 11:32:37:588 TASK: Simulator-based Tests: NO RESULT
1182|
1183| 11:32:37:588 ERR Build #262 was finished. Errors - 3. Warnings - 948.
1184| 11:32:37:588 Build output path: D:/WORK/Builds/nat_prps/build-000262
1185| 11:32:37:588 Build output path: D:/WORK/Builds/nat_prps/build
```

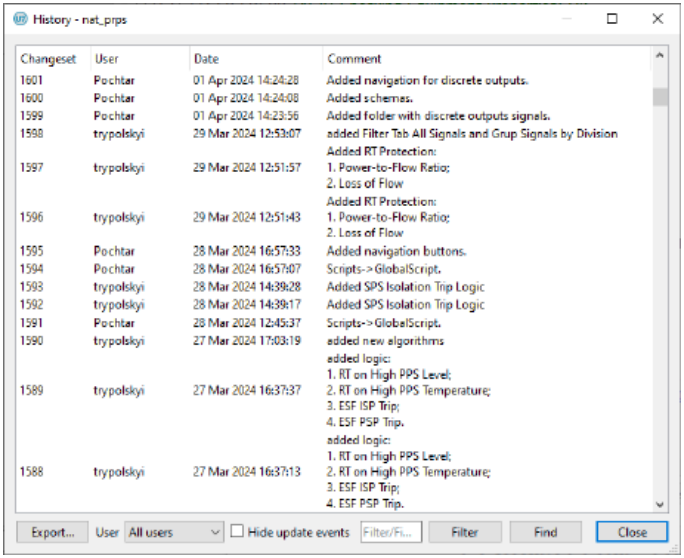


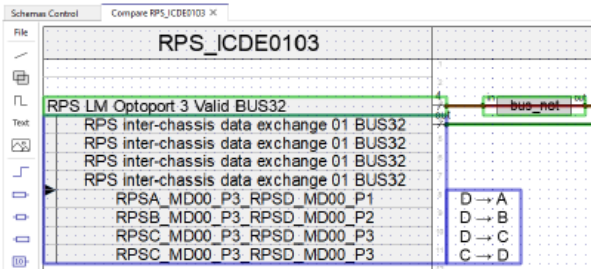


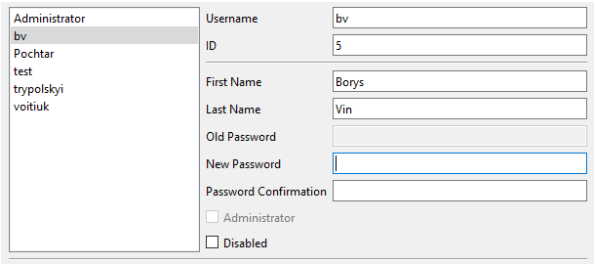
Multi-User Development and Version Control







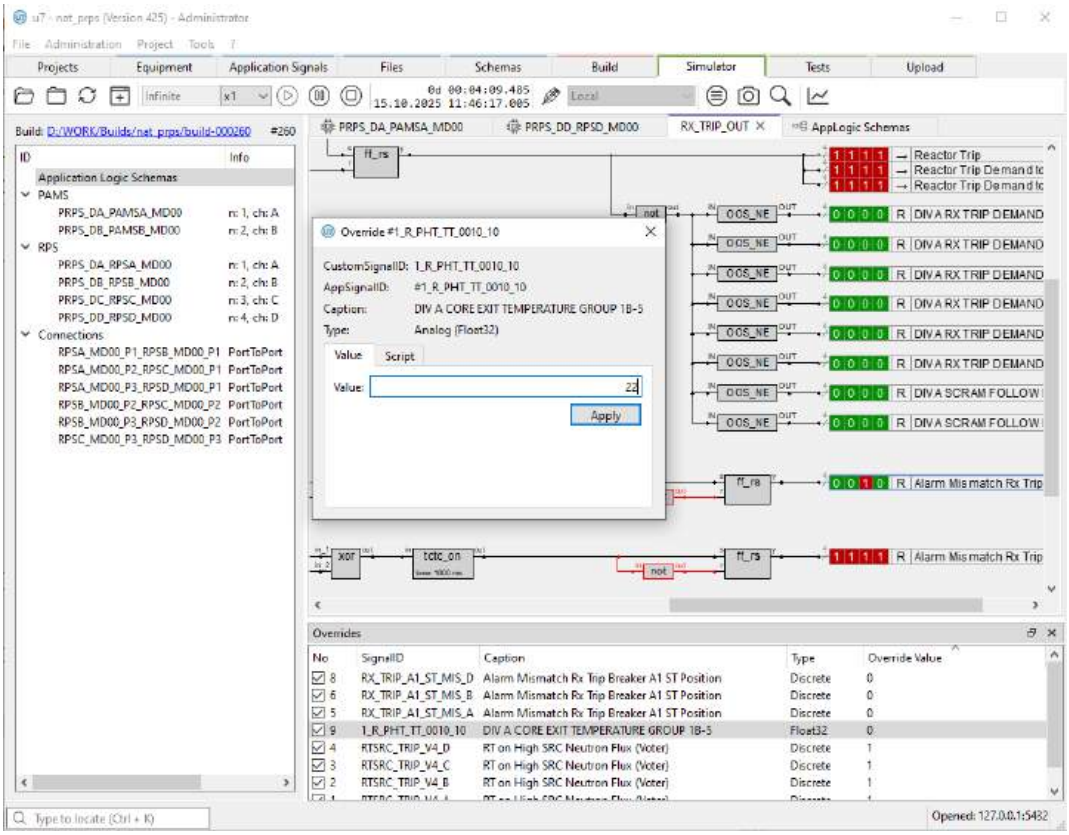




RPCT supports collaborative development with built-in version control

- Multiple users can access a project database using the network.
- Each user has unique credentials.
- Version control is provided for all components of the project.
- View the history of project changes.
- Compare changesets and generate a project differences report.

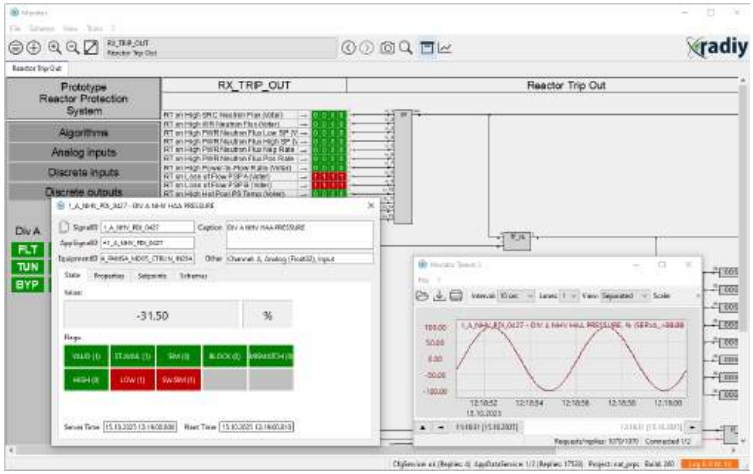
Simulation and Testing

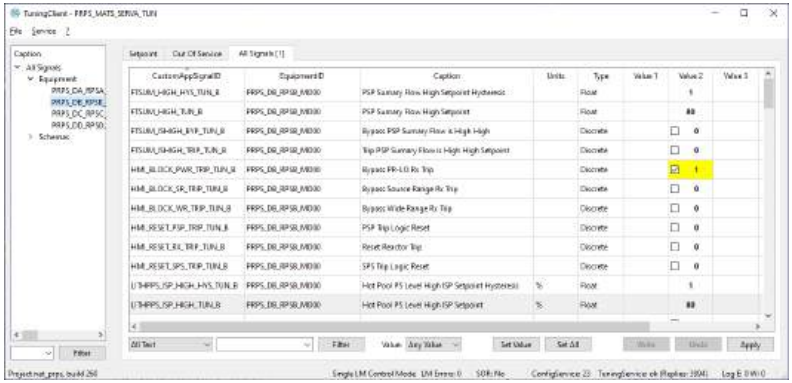


Run and verify the I&C Project using the Simulator

- Provides software-based simulation of logic modules' commands.
- Execute and debug the Application Logic without the hardware.
- Set values of desired signals using overrides.
- Test HMI schemas and controls.

Monitoring and Tuning Subsystem (MATS)





MATS - a set of Online and Offline tools.

- Services acquire and archive technological parameters.
- Monitor displays schemas, trends and reports.
- TuningClient modifies values of tunable parameters.
- Includes verification and maintenance tools.
- Operates on Linux and Windows platforms.

Contact Radics:
radics@radics-ua.com

t/f: +38 0522 373328
www.radics.tech


radICS
WHERE SAFETY IS FOCUS