



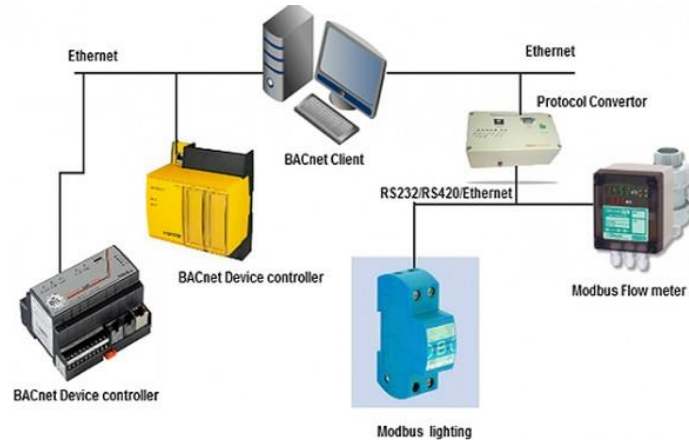
GadgEon

Engineering Smartness

MODBUS TO BACNET CONVERTER



ModBus To BACnet Converter



Customer needed a cost-effective version of a BACnet modbus protocol converter.

Results / Outcomes

- Overall cost of protocol converter reduced 30%
- BACnet Testing Lab Certified
- Web-based configuration tool developed for remote configuration



System Description

Challenge:

- Customization of open source stack of BACNet and Modbus protocols on are-engineered custom Hardware to realize the Gateway functionality.

Feasibility study and Documentation

- Requirements Gathering & Analysis, competitive product study,
- H/W Architecture development and finalization
- Component selection of all components and BOM management.

Embedded Linux Firmware

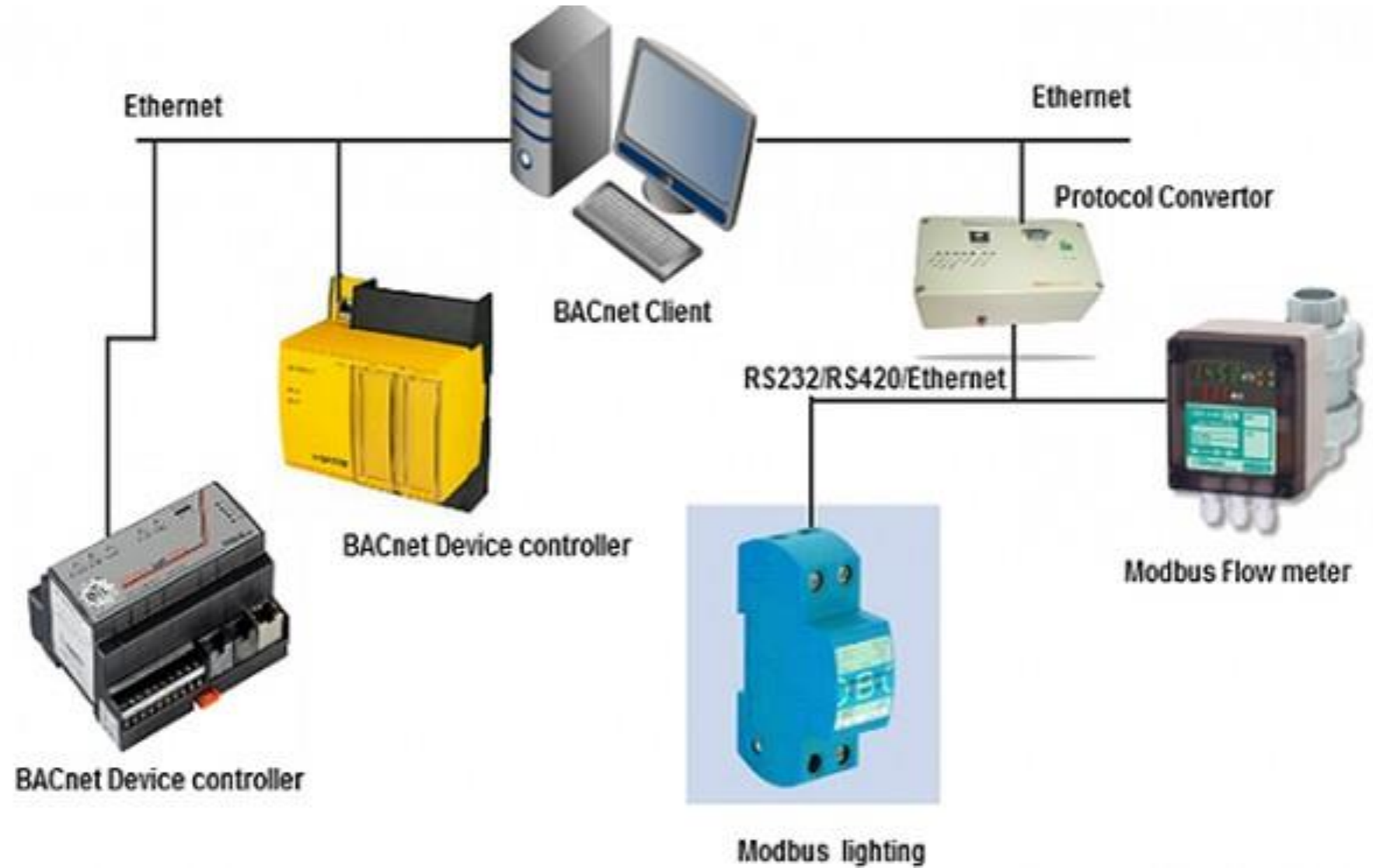
- Developed Gateway application daemon with framework for the Modbus and BACnet converter functionality in C++
- Adapted Open source BACnet Stack and Modbus Stack, also added new features to the stack to meet complete Protocon requirements
- Designed, Developed and Tested Web based Configuration Tool for Protocon Converter

Automated Test Framework

- Robot, Python, Selenium, Jenkins, Sikuli



Protocon – Deployment Diagram



THANK YOU



For More Details, Let's Connect



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