

Automated infusion pump with flow rate accuracy of $99\pm 1\%$

Re-engineered non-functional infusion pump and enabled external communication for new generation Infusion Pumps

Scope

Infusion pump re-engineering

- Software, hardware, mechanical and industrial re-engineering
- In-house and lab test executions for pre-compliance including system & domain specific requirements and design verification

External communication

- Development of functional workflow, library interfaces, and rate control algorithm for designed hardware platform
- Design of communication protocols
- Software development
- Verification & validation for implemented modules

