

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

Re-engineering of non-functional infusion pump; and external communication enablement for new generation Infusion Pumps

Infusion pump re-engineering for a leading Germany based medical devices OEM

- Software, Hardware, Mechanical and Industrial re-engineering
- Safety critical algorithms including air and pressure that can be reused in upcoming generations of IPS
- In-house and lab test executions for pre-compliance including system & domain specific requirements & design verification



External communication:

- Enable external communication for new generation Infusion Pumps:
 1. Development of functional workflow
 2. Library interfaces
 3. Rate control algorithm for designed hardware platform
- Design of communication protocols
- Software development
- Verification & validation for implemented modules



Team Size

20

Model

T&M

Performance

Developed algorithms to be reused by the customer in new generation pumps

Business Impact

Lesser time to market – Re-engineered product easily streamlined to the latest product portfolio

Phases

2