

**TECHNOLOGY DESCRIPTION?**

Process flow verification is one of the cornerstone of pharmaceutical research. With the rise of digital technologies, electronic lab books are replacing paper books to increase reliability and traceability. Connectivity between instruments, labware and even samples become a must.

Our technology platform enables to integrate laboratory equipment such as liquid handling devices with low-power wireless networks. The individual nodes consists of flow sensors, pumps and dispensing systems, which are connected and can interact synchronously. Data distribution over wireless connection improves the reliability, increases the flexibility and simplifies the assembly and configuration. In this way, each system can report on the current use and levels of reagents. The process flow can be documented and reported.

FUNCTIONALITIES & CHARACTERISTICS:

- Connectivity of liquid handling sensors and actuators
- Distribution of sensor and actuator data over lab equipment
- Synchronous actions and reporting
- Easy integration in process flow control

EXAMPLE OF APPLICATIONS

- Integrated supply chain management
- Laboratory automation
- Point-of-care Diagnostics
- Biotech research

UNIQUENESS

- Autonomous and reliable monitoring and control of lab equipment
- Wireless Seamless interconnection of lab equipment
- Wirelessly connected sensing nodes for laboratory automation.