



Test Automation using Robots

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25+ YEARS OF ENGINEERING LEADERSHIP



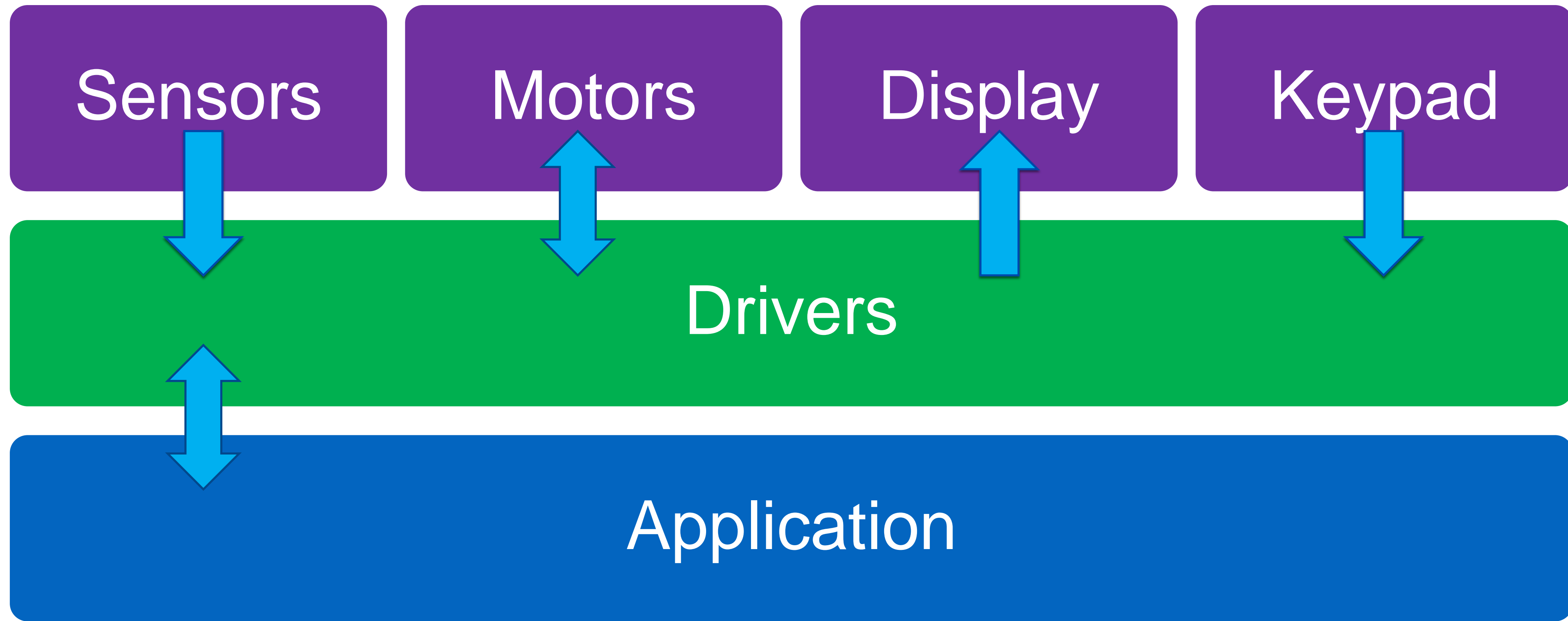


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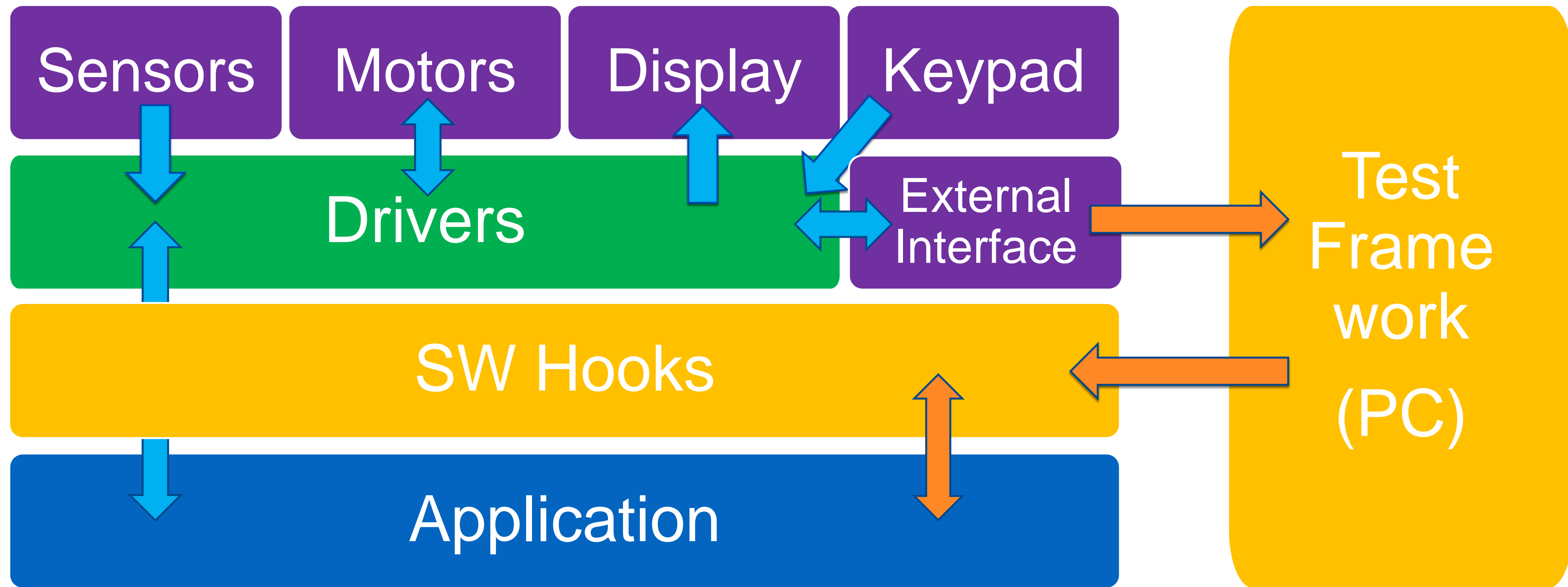


What is inside the tested Devices?





Usual way to automate the testing process



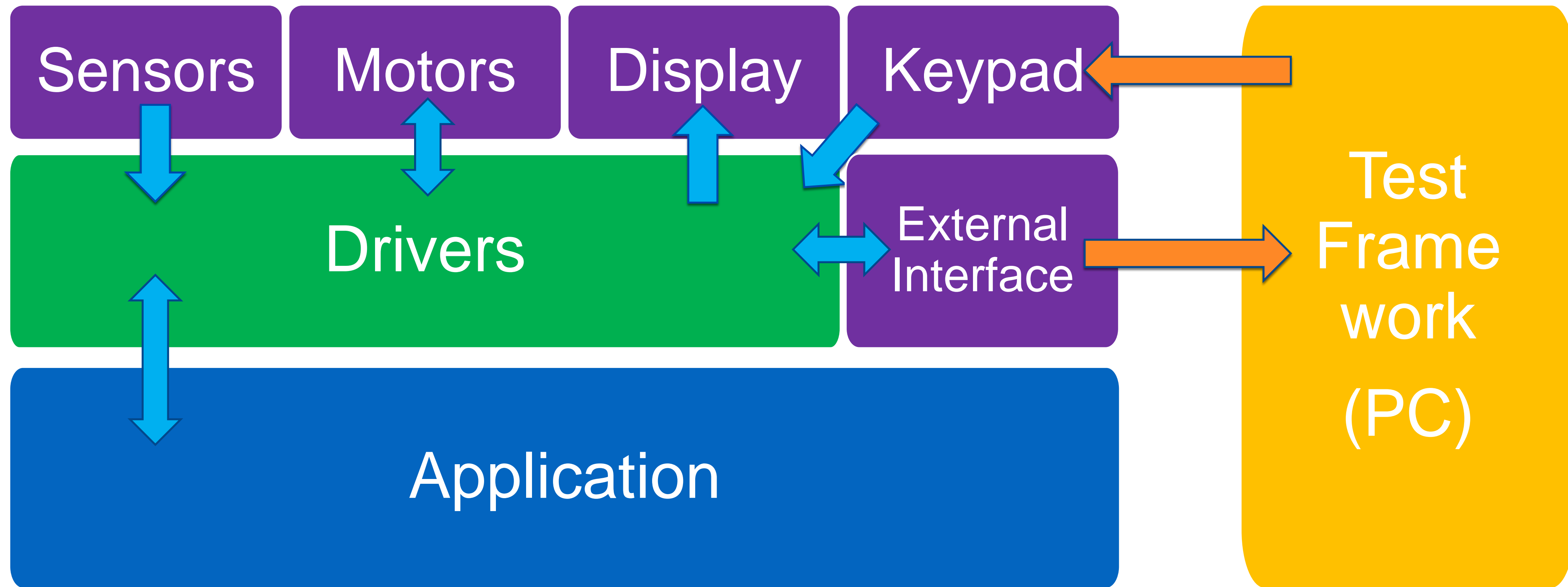


Problem

- **What can we do if there is no way to change tested device?**
 - **Too small device: there is no RAM/Flash to integrate SW hooks**
 - **Slow development cycle: 3 weeks for manual tests, Customer wants to have automated regression tests to speed up the process**
 - **Customer wants to test unmodified devices: exactly the same SW and HW as used on production**



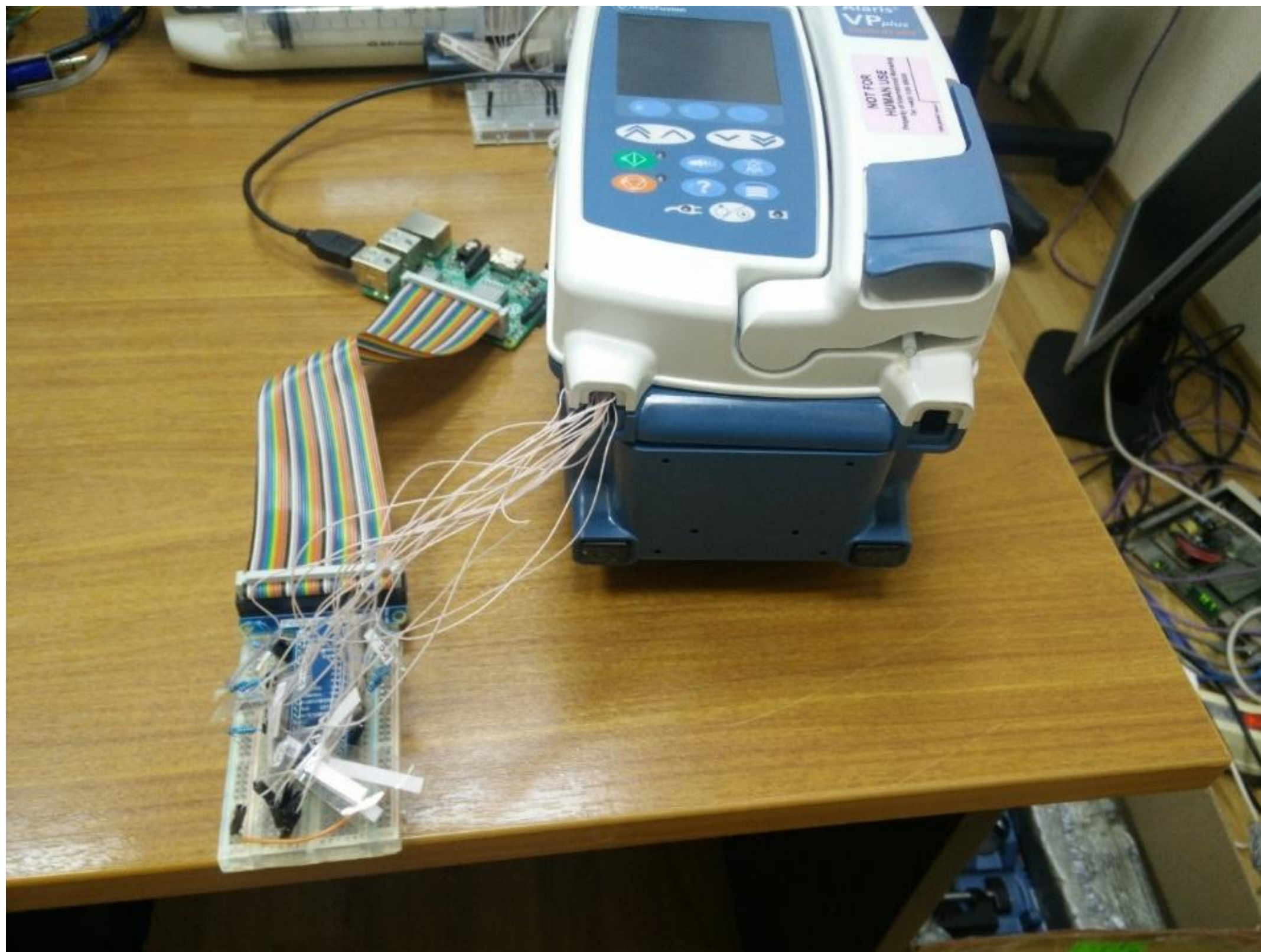
Solution





Solution: Phase 1

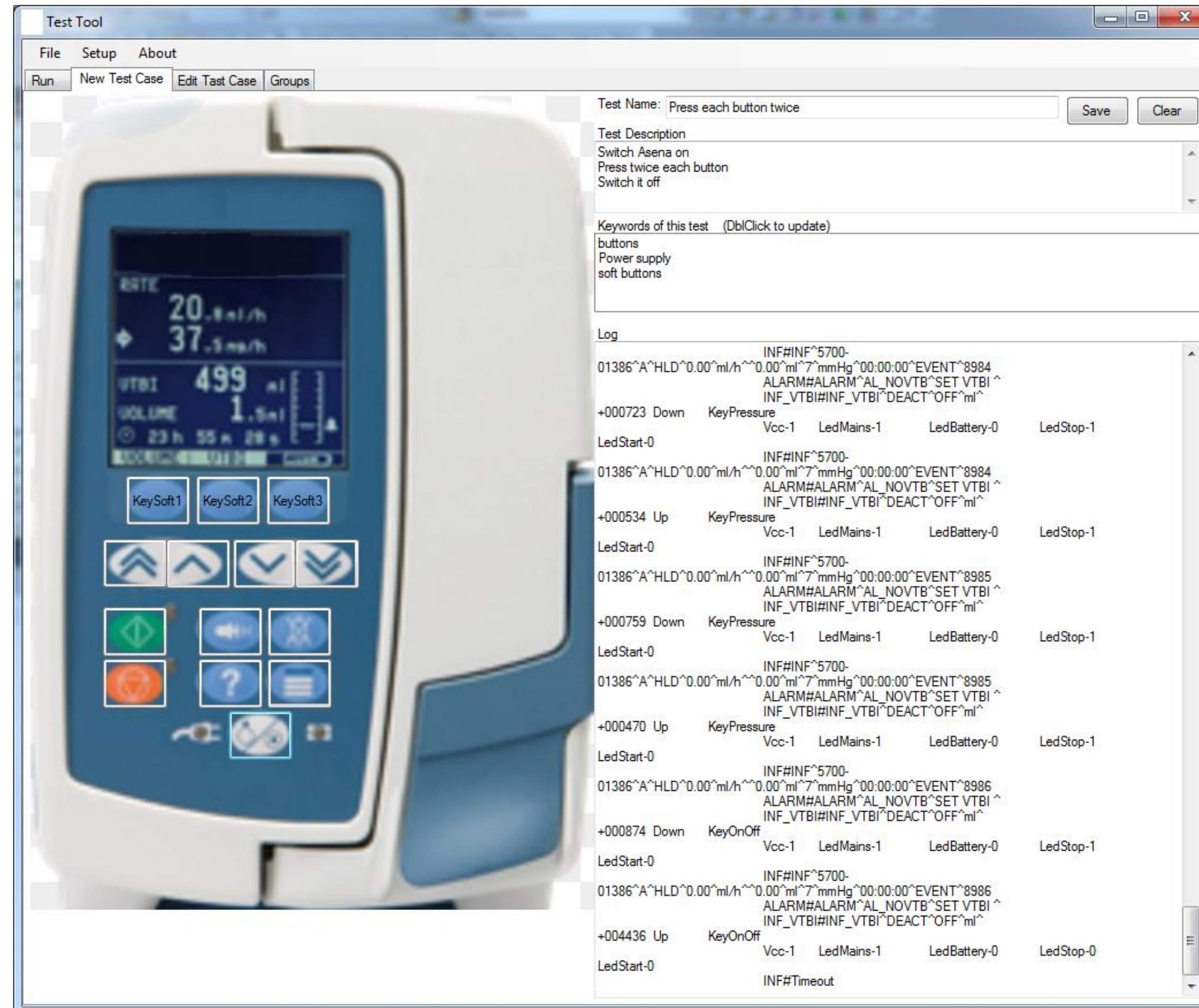
- Instrumented device, no change on SW





Solution: Phase 1 (cont.)

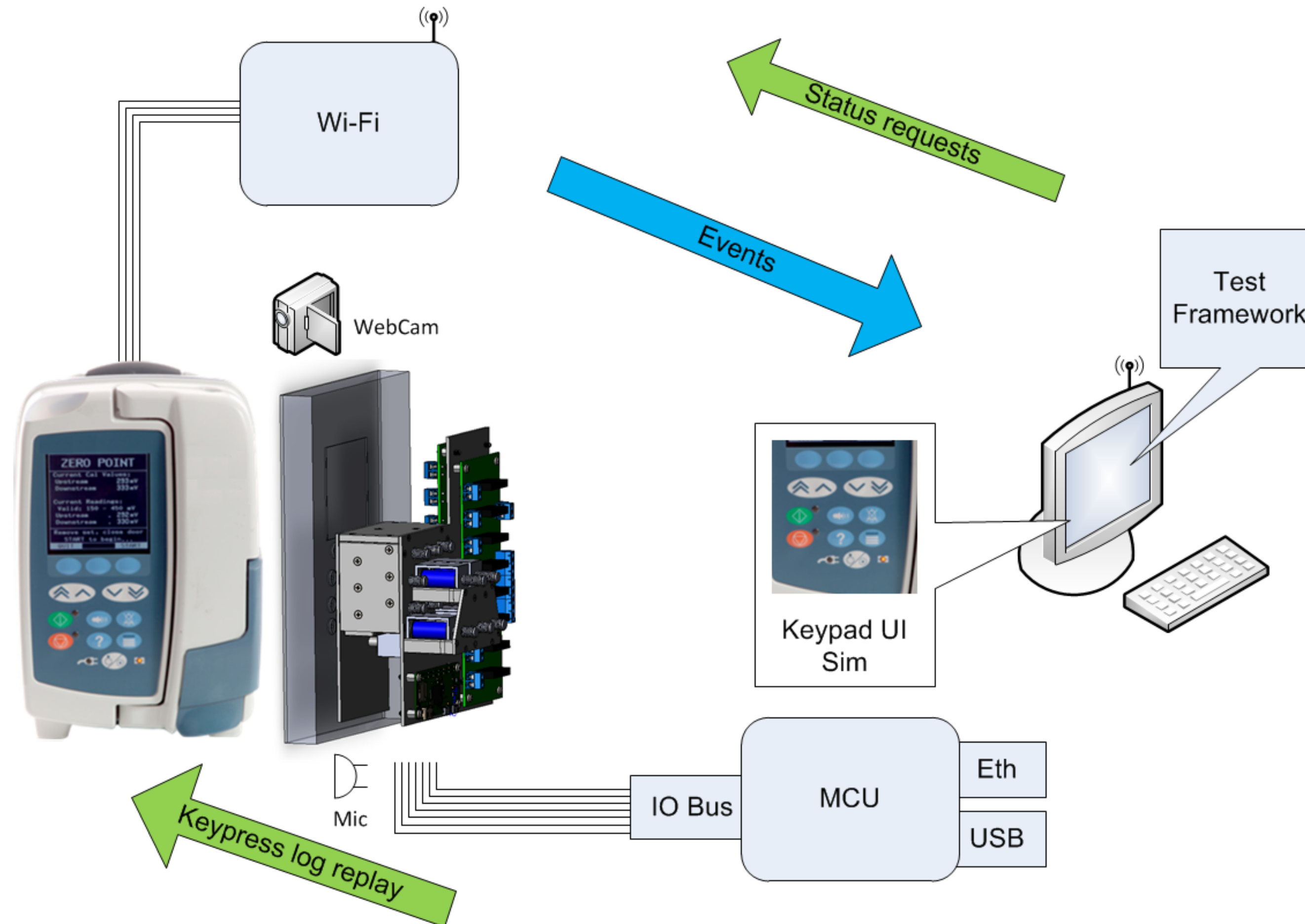
Key Pad simulator and
Test Framework (on PC)



Unmodified device:

- No change on SW
- No change on HW

Solution: Phase 2





Thank you!

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