

# Welcome

Industrial  
Internet  
of  
Things



**SureView Instruments**

# Problem

- Existing Devices communicate on disparate protocols or worse, don't communicate at all
- When a key person from production leaves, critical intelligence is lost
- No 24/7 monitoring on outsourced production facility
- Unexpected maintenance causes production losses

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# Scenario



*It's 2019 already!*

- Foreign vendors have expensive suites & standard products
- Lot of school boys out there (and their Apps)
- **Most IoT vendors do not understand IIoT**

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Over 4 decades of Industry Knowledge

- Extensive Intellectual Properties in Devices, Solutions & Software
- Experience in Industrial Internet of Things projects
- End-to-end solutions from sensors & instruments to Apps & Analytics
- Manufacture most parts ourselves
- Brilliant team of engineers with cross-domain expertise
- Modern factory in Mumbai with state-of-the-art tools

# Typical project requirements

- Need to replace analog sensors with Smart
  - **Taken care of** - we have data-loggers that read voltage or mA & transfer to cloud
- Wait! I have an existing device in addition to more sensors
  - **Taken care of** - we have MultiFly Series which reads both sensors and your existing devices - and transfers data via WiFi or 4G
- We only want your data acquisition devices
  - **Taken care of** - You will love our DAQ models - 24Bit ADC, 20AO on single board, Ethernet & WiFi ready - you name it
- What about predictive maintenance & Analytics
  - **Taken care of** - We offer software solutions that take care of it nicely. We can also integrate 3<sup>rd</sup> party solutions if you have purchased already
- We don't talk in parts. We need a complete solution
  - **Taken care of** - That is what we do!

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# Typical IIoT project

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- **Sensors & Actuators** – We manufacture some of these
- **SBC** – We have our own Controllers for IIoT
- **Cloud** – Expertise on Amazon AWS & Microsoft Azure PaaS
- **Local & Web-based UI and Apps (both Android & iOS)** – Inhouse Team
- **Analytics** – Can build as needed or integrate package from vendors

# Make key Parts - inhouse

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**Sensors**



**High Current Sources**



**Data Acquisition Devices**

**Achieve:**

- Reduction in cost
- Achieve high quality in that cost
- Reduced dependency on 3<sup>rd</sup> party

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# Industrial IoT Ready Products

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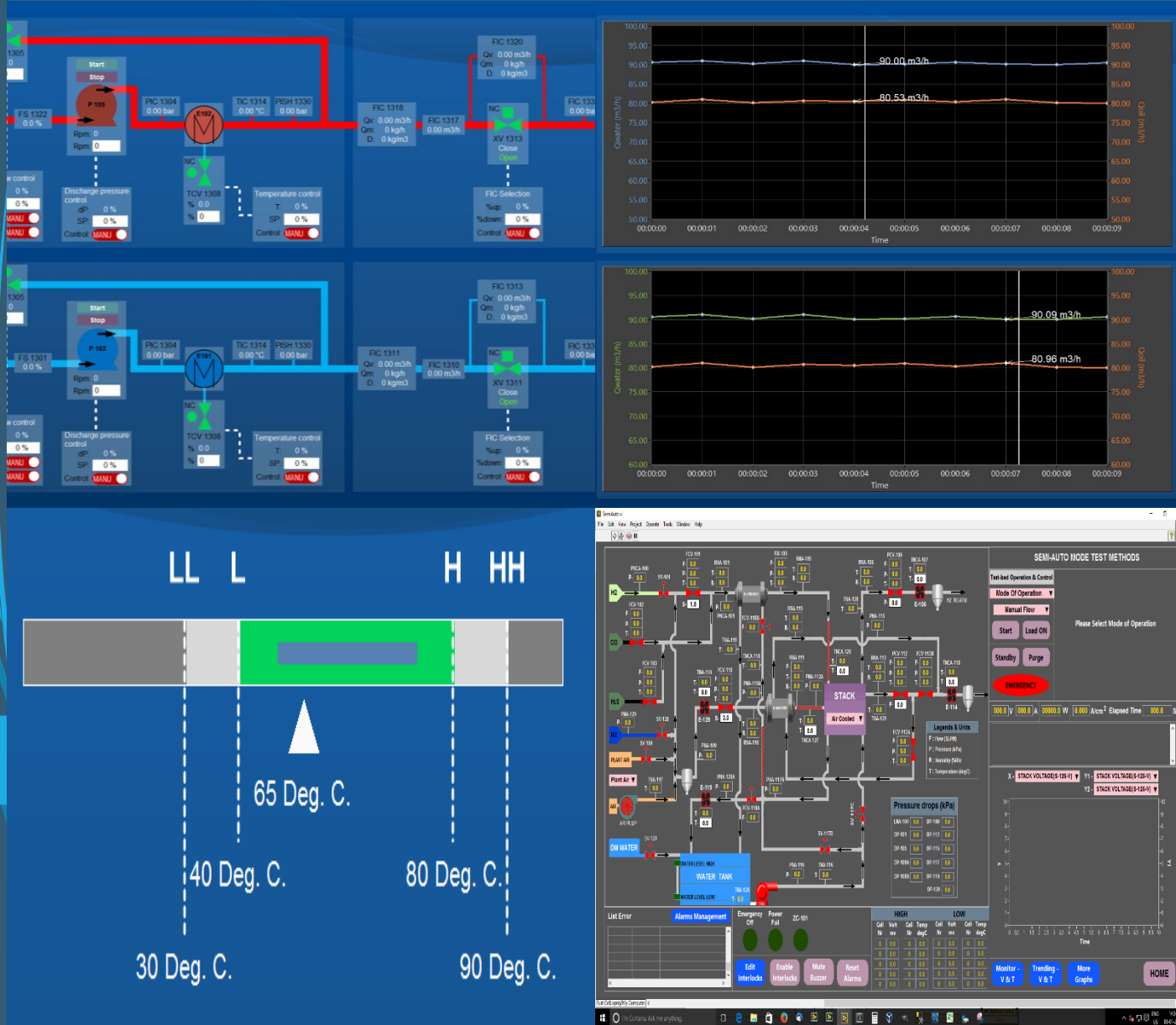
- **Reads Any Sensor – with onboard Signal Conditioning**
- **Reads your equipment – So you can make any machine IIoT ready**
- **On board Modem – Transmit Data directly to Cloud and receive commands from your Smart Phone**



**MultiFly series – MultiFly 4G**

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# Software – Embedded, PC & Web and Apps



InHouse Team of Expert Programmers

1. .Net & Java
2. C, C++ and other embedded
3. Apps – iOS and Android
4. Desktop & LabVIEW

# Software, customised for you!

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1. Monitor Machines & Predict Failure with sensors such as Vibration, Temperature etc.
2. Run Analytics and interact from anywhere in the world securely with WebUI, WebApps and Apps
3. Generate Reports and Alerts
4. User friendly dashboards – Keep track of KPIs

# Links

- <https://www.svinstruments.co.in/> - Home Page
- <https://sureview.blog/> - our Blog about IoT
- <https://svi.one/vendor> - SureView as your vendor
- <https://svi.one/loT> - example of Lean IoT solution

Thank you!

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