



Stardots

>> TRUE DEVELOPMENT BY LEARNING FROM DATA

How we develop and distribute applications in MATLAB

EXPO Stockholm Sweden 2018-05-23

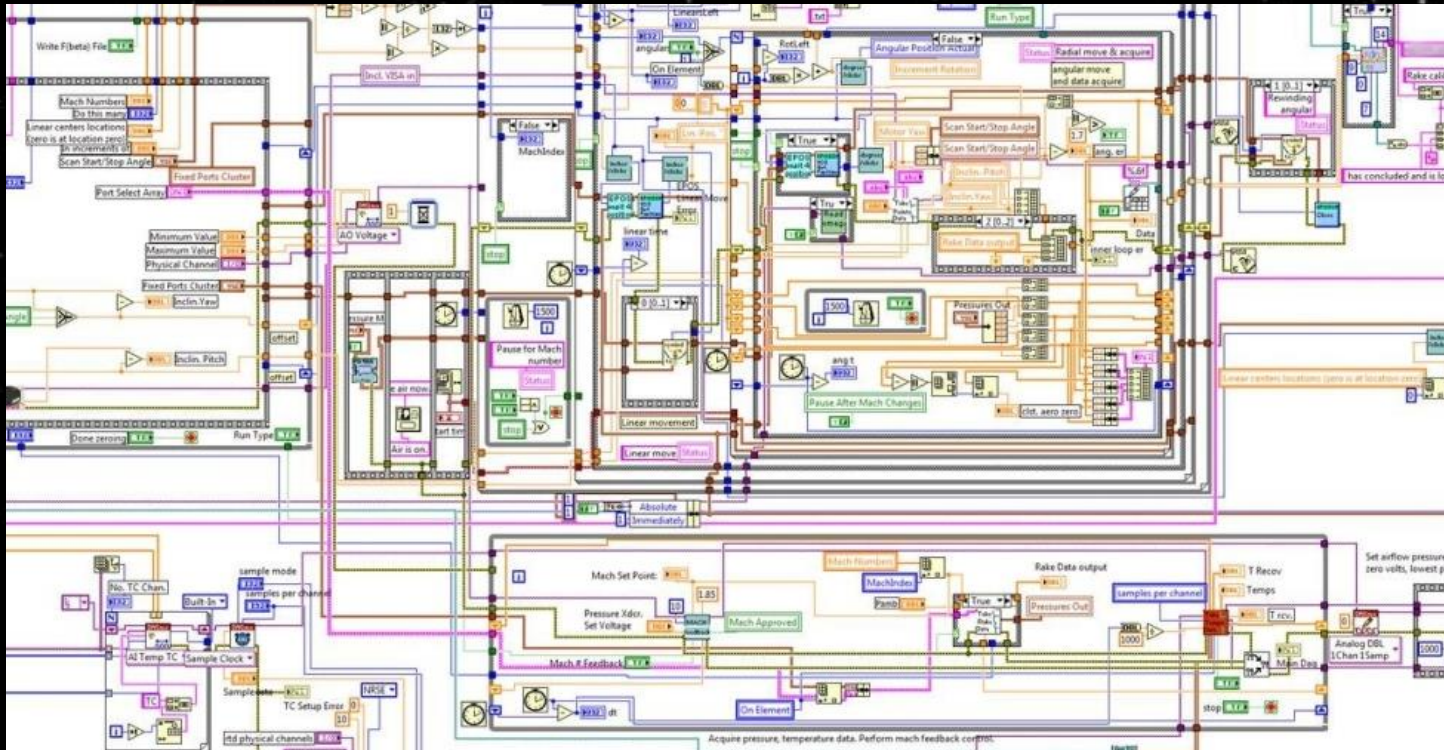
CEO PhD. Daniel Petrini daniel.petrini@stardots.se +46 (0)707 82 70 01
www.stardots.se

Challenges

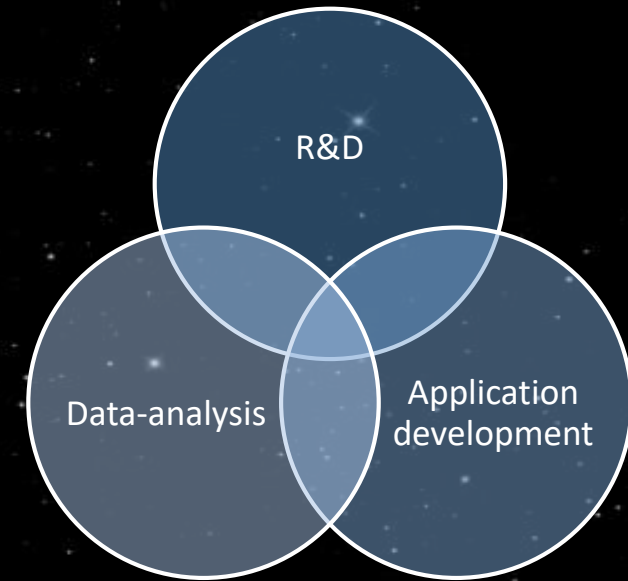
- Data-availability and analysis is core to understanding in R&D
- Difficulties in finding solutions
 - Time consumption (== \$)
 - Systematization (Clear and structured code)
 - Maintenance (Comments, updating)

Examples

- One Java program with 4000 lines of code in one function
- Very complex graphical programming

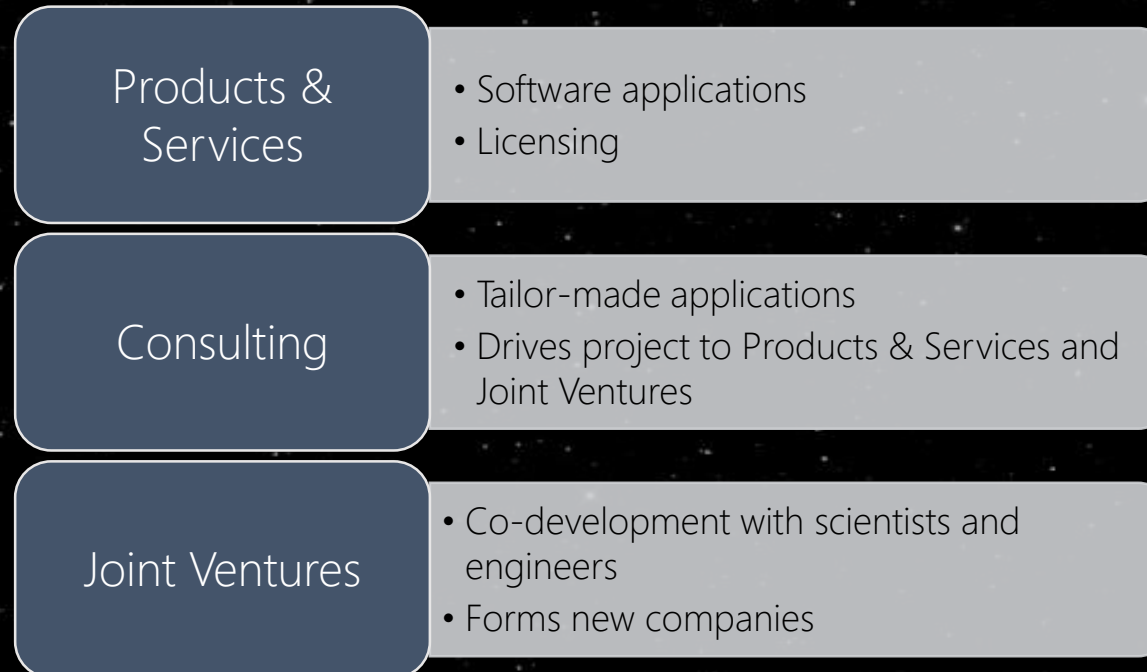


Solution

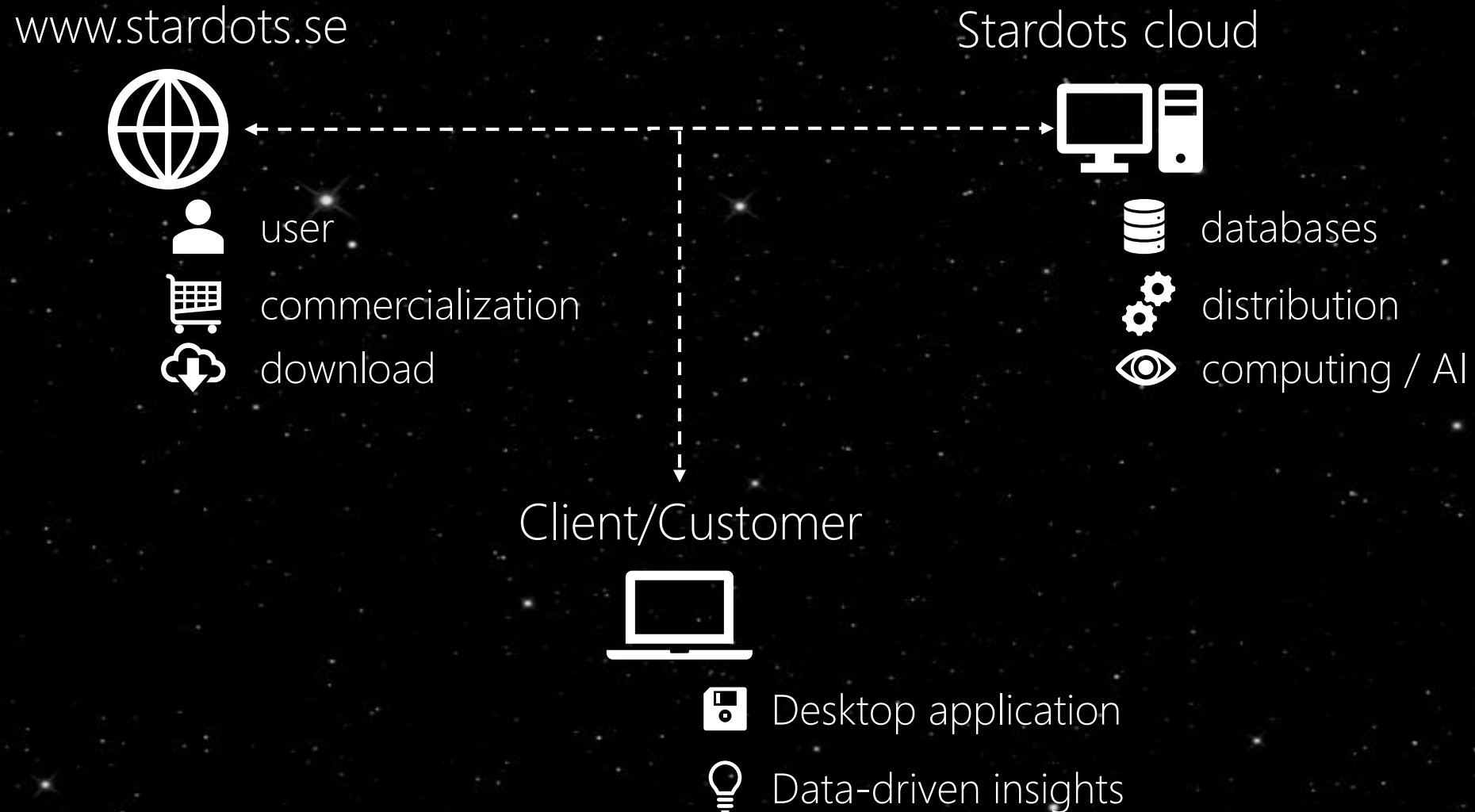


- Business idea: develop & distribute software application for R&D
- Examples: sensor acquisition, image analysis, AI, statistics
- Academia & Industry

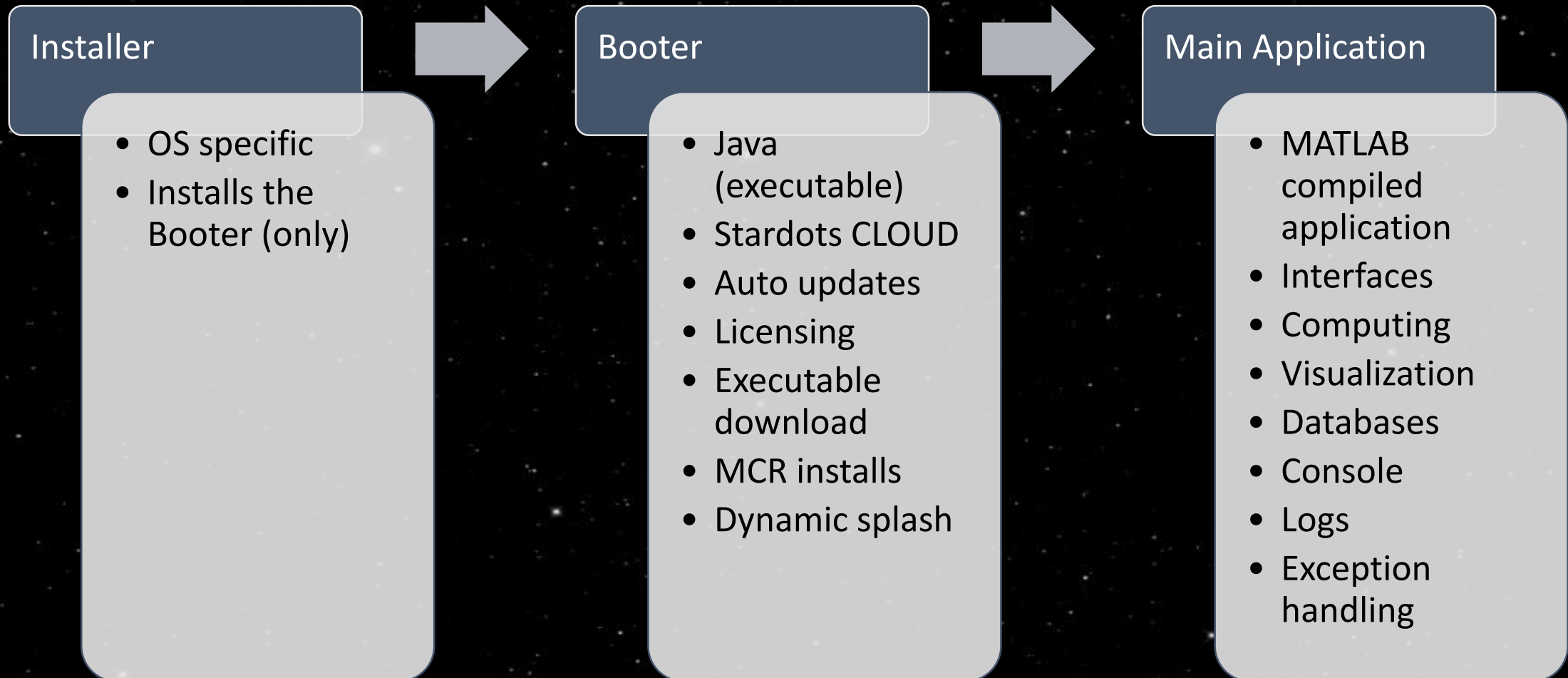
Business areas



Infrastructure



Applications framework

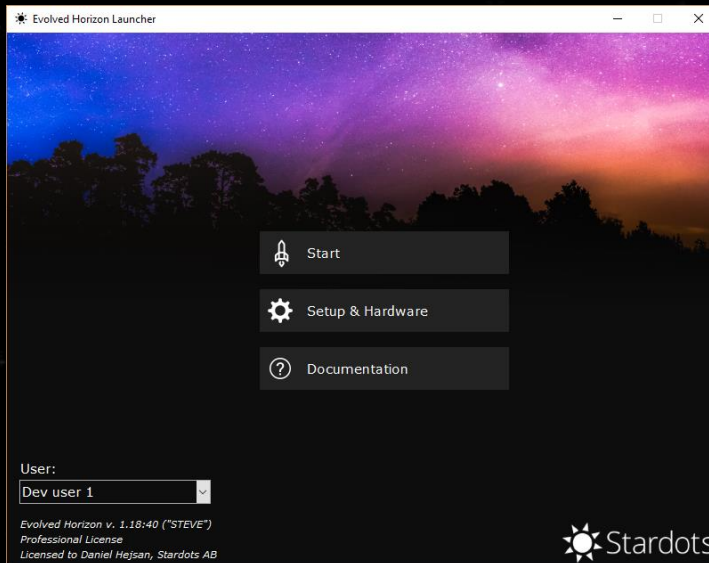




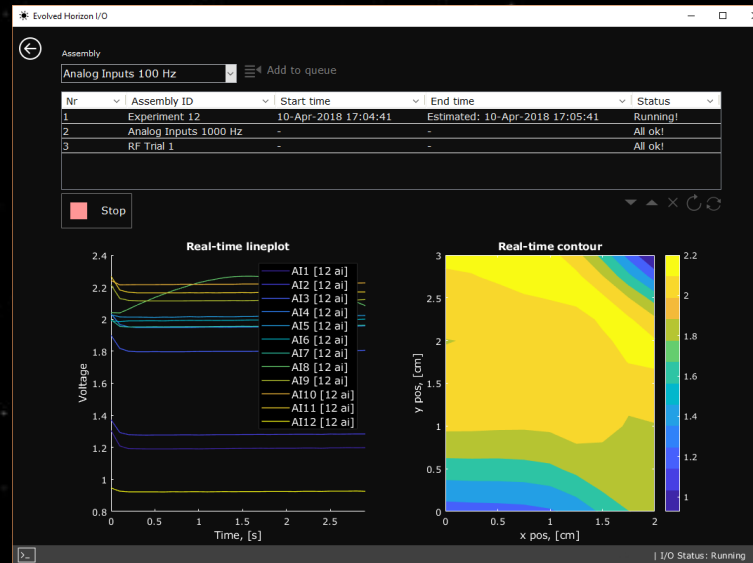
Why MATLAB?

- Stardots main application language
- Field-tested analytics
- Superior visualizations
- Strong programming language
- Speed of development
- Cross platform
- MATLAB compiler + MATLAB Runtime

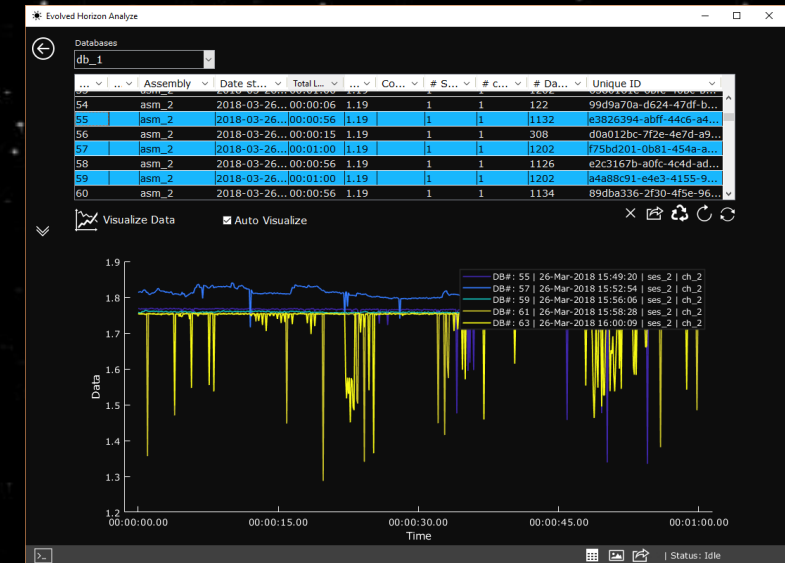
MATLAB application



Intuitive ui controls



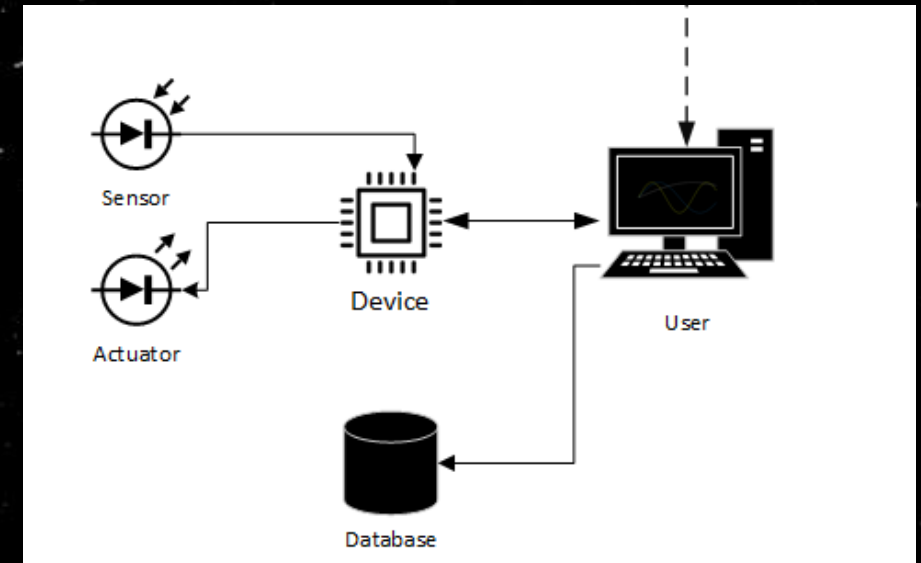
Real-time visualizations



Advanced analytics
 Big Data databases

Evolved Horizon™

- Sensor and actuator acquire, storage and analysis
- Flexible, Robust and Powerful
- Arduino
- Analytics & export
- Patent pending approach (PCT)



Closing remarks

- Large interest and need from R&D
- Harness the power & speed in MATLAB
- We are open for new projects and ideas