Hardware Robot Operating System

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Erle & Acutronic Robotics: Brief History

- **2014**: Erle Robotics
- **2015**: DARPA
- **2016**: Acutronic
- **2017**: SONY
“A standardized software and hardware infrastructure stack to easily create reusable and reconfigurable robot hardware parts.”
Building robots

Our approach
An “end to end” solution for modular robots
How does a modular robot look like?
Introducing Information Model

The Information Model is a standard interface for robot modules which contains rules/specifications that standardizes logical middleware between different robot components.

How can I learn more? (1)

The robot information model: A set of rules/specifications that standardizes logical middleware interfaces between robot modules.

Ongoing work accessible at: http://therobotmodel.com
How can I learn more? (2)

Stay tuned for the H-ROS System on Module (SOM). Our complete modular robot stack in a tiny footprint for creating modular robot components:

- native ROS 2
- real-time environment
- real-time communications
- certifiable (work in progress)
- more...