ROS-`X`

Focused Initiatives

Audiences Participation

- How many of you have heard of ROS-Industrial, ROS-Military, etc...? (Raise your hands)

Goals

- Learn and share about other ROS-`X` efforts
  - Benefits
  - Detriments
- Promote participation in ROX-`X` efforts
- Motivate others to organize ROS-`X` efforts
- Open the lines of communication

Thank You

- Jerry Towler

- Matt Droter

- Tully Foote

- Paul Hvass

ROS-X Questions

- How many "ROS-X"s are there?

- Why are they formed?

- How are they formed?

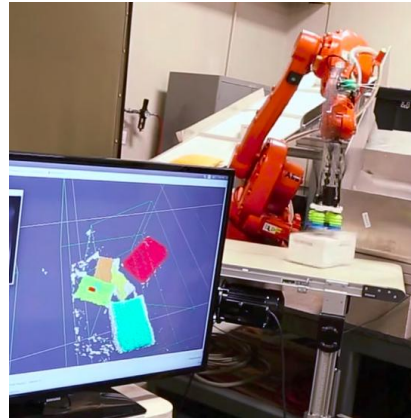- How to participate in them?

- Are these efforts good for ROS?

What ROX-`X`s exist?

- ROS-Industrial
- ROS-Military
- ROS-Agriculture
- ROS-Aerial (SIG)
- ROS-DOE (almost)

- How many of you remember what Robotics R&D was like before ROS? (Raise your hands)

- How many of you believe that open source collaboration is critical to advancing robotics? (Raise your hands)
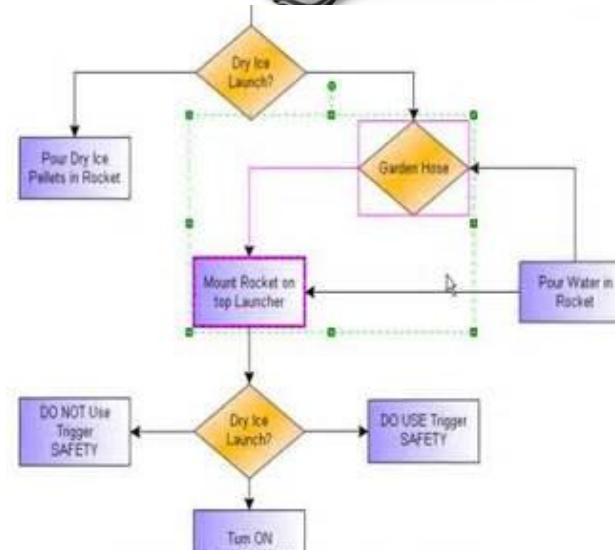
Why are they formed?

- Promotional
  - Adjusting the message to speak to a specific audience
  - Build a community
- Technical
  - Build market specific capabilities
  - Canned applications
  - Address large customer(s) need

A product for every promotion...

- Driven from technical staff
  - Not typically leadership
  - Small groups of engineers
- Consensus building takes time
  - Get advisors, first followers
- Assume you right, you probably are

How to participate in them?

- Some are more open than others
- All **should** be accessible via sweat equity (no pay to play)
- If you have a vested interest, you should feel empowered to participate

Is ROS-`X` good for ROS?

- Yes
  - Promotes the use of ROS and expands the user/contributor base
  - Contribute code/funds to core ROS development
- No
  - High potential for forking/fragmentation. **There should only be one ROS!**
  - Degrades ROS brand
  - Takes resources away from OSRF

Conclusion

- ROS-`X` is good for ROS

- Communication is key to avoid fragmentation

- More ROS-`X` (Maybe)
  - Does it fill a promotional need AND/OR
  - Is there a technical need (like ROS-M)

- ROS-`X` potential
  - ROS-Automotive (remember BMW – Mike Aeberhard) – start as a SIG
  - ROS-Logistics – Amazon Picking Challenge, Robocup Logistics

ROS-`X` POCs

- ROS-Industrial – www.rosindustrial.org
  - Shaun Edwards – shaun.edwards@rosindustrial.org
- ROS-Military
  - Jerry Towler – jerry.towler@swri.org
- ROS-Agriculture – www.rosagriculture.org
  - Matt Droter – http://rosagriculture.org/#contact
- ROS-Aerial (SIG)
  - Tully Foote – SIG: ros-sig-mav
- ROS-DOE (almost)
  - Paul Hvass – paul.hvass@swri.org