

## ROS\_I and ROS\_M

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**ALWAYS CHECK THE DATES ON ANY INFORMATION.**

## ROS-INDUSTRIAL

**ROS-Industrial is an open-source project that extends the advanced capabilities of ROS software to manufacturing.** <http://rosindustrial.org/>

<http://wiki.ros.org/Industrial/Tutorials>

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\*\* The tutorials below have been **deprecated** since they do not apply to the current release of ROS-Industrial. The description indicates the last ROS-Industrial version in which they applied.

1. [Create an Arm Navigation Package for and Industrial Robot\(<=Groovy\)](#)

This tutorial describes how to create and arm navigation package.

**Southwest Research Institute (SwRI)** has used the Robot Operating System (ROS) as an enabling technology to develop complex intelligent systems. ROS is an open-source project that provides a common framework for robotics applications. With ROS, SwRI has been able to deliver technologically complex or previously infeasible systems for much lower costs. To date, SwRI has leveraged ROS applications in the areas of:

- [Industrial Robotics & Automation](#)
- [Robotics Research & Development](#)
- [ROS-Industrial](#)
- [Automated Driving Systems & UGVs](#)

<https://www.swri.org/robot-operating-system-ros>

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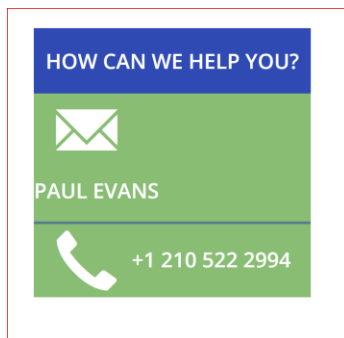
<https://rosindustrial.org/>

**WORLD WIDE**

# ROS-Industrial 10 Year Anniversary Mash Up

1,531 views  
Jul 6, 2022 3:14

<https://www.youtube.com/watch?v=-6yAk05et1Q>



## ARMY ROBOTICS IN THE MILITARY

### ROS meaning | Military Dictionary

*www.military-dictionary.org/ROS*

**ROS** according to the free **Military** Dictionary. reduced operating status.

The future of autonomy in the military could include unmanned cargo delivery; micro-autonomous air/ground systems to enhance platoon, squad, and soldier situational awareness; and manned and unmanned teaming in both air and ground maneuvers, according to a 2016 presentation by Robert Sadowski, chief roboticist for the [U.S. Army Tank Automotive Research Development and Engineering Center \(TARDEC\)](#), which researches and develops advanced technologies for ground systems. One day, [robot medics may even carry wounded soldiers out of battle](#). The system behind these feats is [ROS-M](#), the militarized version of the [Robot Operating System \(ROS\)](#), an open-source set of software libraries and tools for building robot applications. In this post, I will describe the work of SEI researchers to create an environment within ROS-M for developing unmanned systems that spurs innovation and reduces development time.

[https://insights.sei.cmu.edu/sei\\_blog/2017/06/army-robotics-in-the-military.html](https://insights.sei.cmu.edu/sei_blog/2017/06/army-robotics-in-the-military.html)

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