



# SARAFun Project

European Robotics Forum 2015 – Vienna, Austria, 2015-03-12

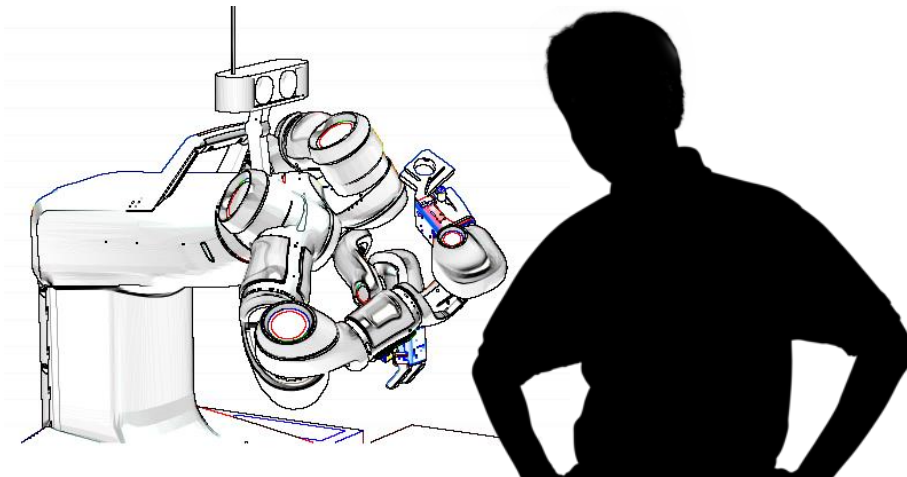
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# SARAFun will make a difference!



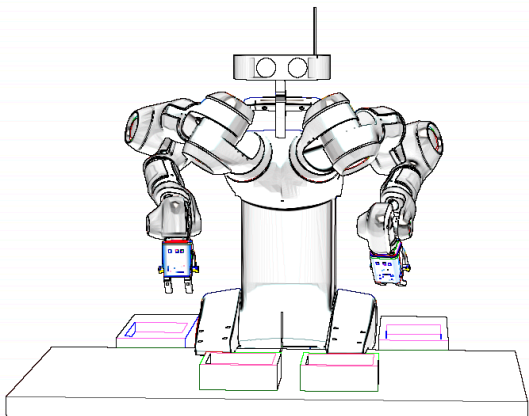
The *SARAFun project* has been formed to enable a *non-expert user* to integrate a new *bi-manual assembly task* on a robot in *less than a day*. This will be accomplished by augmenting the robot with cutting edge *sensory and cognitive abilities* as well as *reasoning abilities* required to *plan and execute an assembly task*.





## Context

- *Non-expert user*
- *Dual arm assembly*
- *Swift commissioning*
- *Complex tasks*



## Approach

- *Physical setup*
- *Learning from observation*
- *Reasoning and virtual environment*
- *Learning by doing*
- *Production*

## Research Areas

- *Observe human assembly*
- *3D sensing*
- *Tactile sensors in hand*
- *Physical human robot interaction*
- *Shared knowledge repository*
- *Intelligent grasp and manipulation control*

# Project Consortium



ABB Sweden

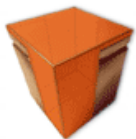


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# Thank you for your kind attention!

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