



WIR SCHAFFEN WISSEN – HEUTE FÜR MORGEN

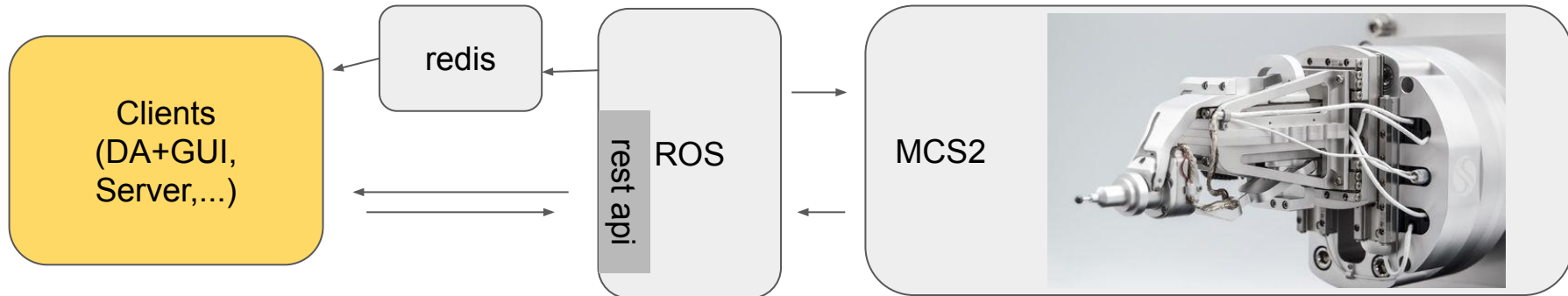
Ezequiel Panepucci :: Software Engineer :: Paul Scherrer Institut

SmarGon+ Demo

MX User Meeting – March 1, 2022

SmarGon System

- SmarGon device from SmarAct with MCS2 controllers
- Control system implemented in ROS
 - Robot Operating System
- Accessible via RESTful service
- Realtime readback via redis database



Sphere of confusion over 360° of Omega rotation

Chi (°)	SOC (μm)
0	1
10	< 2
20	< 3
30	< 3
40	< 4

- Chi SOC over 0 - 40° rotation ~5 μm
- Phi angle – not calibrated

People

- Wayne Glettig
 - SmarGon
 - MCS2
 - ROS
 - Control System
- Dominik Buntschu
 - calibration procedures
- MX Data
 - ALC, SDU
 - testing & debugging
- MX Staff
 - testing & opinions



<https://www.youtube.com/watch?v=a03-GO1FqMo>

