



The Gear Day

Modena – 24/05/2018

SIR SpA – Andrea Genovesi



CORPORATE



Founded in Modena (Italy) in 1984

Part of Wolong Electric Group Co., Ltd

SoA solutions for industrial automation



33 MLN



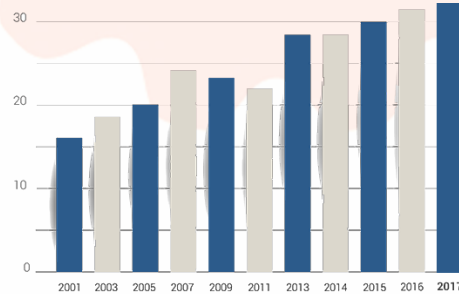
105 EMPLOYEES



3.6 K SOLUTIONS



70% EXPORT



SIR S.p.A.

Soluzioni Industriali Robotizzate
 Strada Nazionale del Canaletto Centro, 450
 41122 Modena | Italy



www.sir-mo.it

PHONE: +39 059 31 64 811

FAX: +39 059 45 48 75

EMAIL: sir@sir-mo.it

PARTNERS



SOLUTIONS



SIR S.p.A.
 Soluzioni Industriali Robotizzate
 Strada Nazionale del Canaletto Centro, 450
 41122 Modena | Italy



www.sir-mo.it
 PHONE: +39 059 31 64 811
 FAX: +39 059 45 48 75
 EMAIL: sir@sir-mo.it

APPLICATION AREAS



AEROSPACE
INDUSTRY



AUTOMOTIVE



FOUNDRY



PLASTIC/
COMPOSITES



SANITARY



LOGISTICS

MetAGEAR PROJECT

OR4 – High accuracy and reconfigurability robotic system

EXPECTATIONS

- Gain **many new knowledge** and important performance increase
- **New tools and technologies** to improve new robotic plants and to re-adapt existing plants
- Possibility to **enlarge the market proposal** with **more flexible robotic solutions**



SIR S.p.A.

Soluzioni Industriali Robotizzate
Strada Nazionale del Canaletto Centro, 450
41122 Modena | Italy



www.sir-mo.it

PHONE: +39 059 31 64 811

FAX: +39 059 45 48 75

EMAIL: sir@sir-mo.it

MetAGEAR PROJECT

OR4 – High accuracy and reconfigurability robotic system

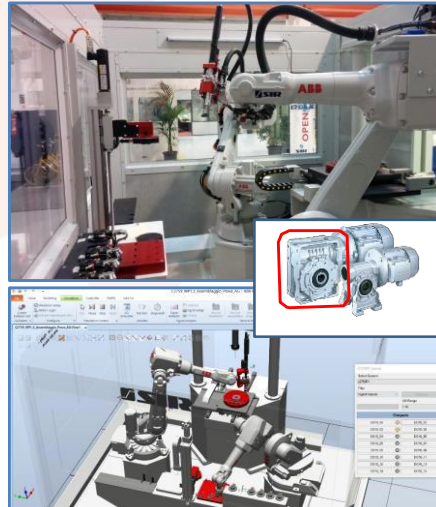
ACTIVITIES

New architecture of reconfigurable robotic assembly cells (M1-M12):

- **Different control architecture** needed to improve and re-adapt existing plants, and to develop high reconfigurable robotic cells: **PC based and Structured Text** instead of PLC & AVL

Operating modules and their behavioural models, product configuration, tests (M7-M24):

- **Identified the case study** and variances for robotized assembly
- **re-adapting robotic assembly democell**
- analysing case study for preliminary assembly **simulation tests**



THANKS FOR YOUR ATTENTION

SIR S.p.A.

S.da Nazionale del Canaletto Centro, 450

41122 MODENA – ITALY

sir@sir-mo.it

www.sir-mo.it



SIR S.p.A.

Soluzioni Industriali Robotizzate

Strada Nazionale del Canaletto Centro, 450

41122 Modena | Italy



www.sir-mo.it

PHONE: +39 059 31 64 811

FAX: +39 059 45 48 75

EMAIL: sir@sir-mo.it