

# FWR

## FLUID WIRE ROBOTICS

The new concept of robot motion

### Vision

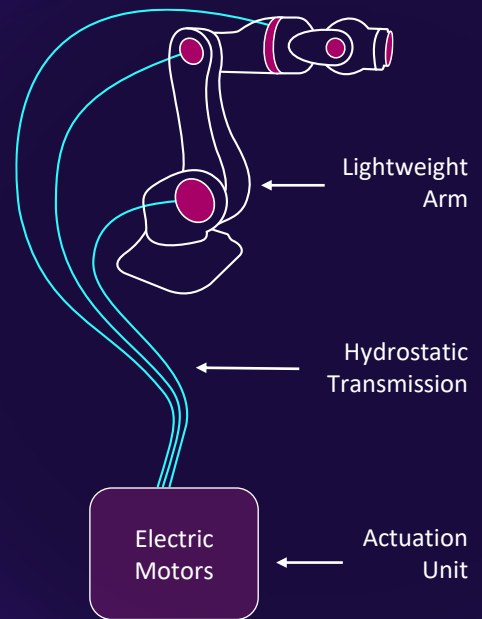
We pursue an advanced concept of flexible manufacturing. We believe in robots that adapt to the process needs, not in processes adapted to robot capabilities.

### Mission

FWR develops versatile robots without trade-offs in performance. Our robots play the role of **both INDUSTRIAL ROBOTS and CO-BOTS**: change behaviour in the time of a click!

### Our Technology

**The FIRST robot based on HYDROSTATIC TRANSMISSIONS:** electric motors are located on the ground and their power is transferred to the robot joints by low-friction hydrostatic transmissions. Lightweight structure and enhanced dynamical properties are achieved.



### Main Applications

- Industrial robot
- Co-bot

### Special Applications

- Finishing of Large Surfaces
- Painting of Large Surfaces
- ATEX Manipulation and Inspection
- Underwater Manipulation



**Lightweight**  
-70%



**High Speed**  
up to 5 m/s  
cycle time < 0,3 s



**Low Cost**  
-30%



**Safety**



**Reconfigurability**  
Custom dimensions  
User-friendly Interface

### Team Expertise

Mechanical, electronic, automation engineering  
100+ scientific publications  
40+ years of experience in the robotic industry

### Our Partners

INSTITUTE  
OF MECHANICAL  
INTELLIGENCE



**Sant'Anna**  
Scuola Universitaria Superiore Pisa

**RoboIT**  
Il Polo Nazionale di Trasferimento  
Tecnologico della Robotica

**cdp**  
Polo Nazionale  
Trasferimento Tecnologico

**pariter**  
PARTNERS

Discover Fluid Wire Robotics, discover flexibility

✉ [info@fluidwirerobotics.com](mailto:info@fluidwirerobotics.com)