



# Industry – Research Cooperation

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## FANUC

translates into “factory automation numerical control”

**FANUC's** businesses were founded in 1956 when it started to develop numerical controls (NCs). As separate company **FANUC LTD** was established in July 1972 when the Computing Control Division became independent from FUJITSU. Since its founding, **FANUC** has always emphasized research and development.

Today **FANUC** are Worldwide Leader in CNC-Technology, Factory Automation and Robotics.



There is due to the crisis an increased demand in industry/SME for flexible and efficient automation solutions.

The industrial robot is the key instrument of automation today and all the indications for future shows that its importance's will constant grow.

Today both Research Centers and Industry drive the innovation in this sector. A intelligent robot is not enough...the application drives the solution.



Even from earliest robotic milestones existed the need to automate; a few reasons:

- Lower per unit production costs
- Increase Output rate
- Increase Output Quality
- Remove humans from hazardous work environment





Industry (capital equipment mfr) typically have an economic focus; need for short term ROI,

while Research Centers focus on technological/innovation aspect first.

Cooperation via PPP has to bridge the gap, between short term economical driven developments by Industry and technological innovations from Research centers to provide breakthroughs for industry on mid term.



# Common Interest in new sectors

New technologies for new growing industries:

- Aircraft manufacturing, using flexible automation
- Renewable Energy sector (Wind power and Solar)
- Medical and Health Science
- Service Industry



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