



EUROPEAN COMMISSION

Press release

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# EU launches world's largest civilian robotics programme – 240,000 new jobs expected

The [European Commission](#) and [180 companies and research organisations](#) (under the umbrella of [euRobotics](#)) today launch the world's largest civilian research and innovation programme in robotics. Covering manufacturing, agriculture, health, transport, civil security and households, the initiative – called [SPARC](#) – is the EU's industrial policy effort to strengthen Europe's position in the global robotics market (€60 billion a year by 2020). This initiative is expected to create over 240,000 jobs in Europe, and increase Europe's share of the global market to 42% (a boost of €4 billion per year). The European Commission will invest €700 million and [euRobotics](#) €2.1 billion.

European Commission Vice President [@NeelieKroesEU](#), says: "Europe needs to be a producer and not merely a consumer of robots. Robots do much more than replace humans – they often do things humans can't or won't do and that improves everything from our quality of life to our safety. Integrating robots into European industry helps us create and keep jobs in Europe." ([SPEECH/14/421](#))

President of euRobotics Bernd Liepert says: "SPARC will ensure the competitiveness of European robotics industries. Robot-based automation solutions are essential to overcome today's most pressing societal challenges - from demographic change to mobility to sustainable production".

**THE PARTNERSHIP FOR ROBOTICS IN EUROPE**  
SPARC

**Funding**

- Commitment of private side: €2.1 billion
- EU funding under H2020: €700 million

**euRobotics aisbl 180 members**

- Research centres
- Universities
- Industries
- SMEs

**Global robotics market**

- 2014: 35% (€22 billion)
- 2020: 42% (>€60 billion)
- with SPARC

**Did you know?**

The robots sent to Fukushima are German.

**Important application areas**

- Manufacturing & industry**: assembling cars, moving pallets & other goods
- Healthcare**: minimal-invasive surgery
- Home care**: assisting elderly & disabled people
- Agriculture**: pruning, weeding, spraying, monitoring & milking
- Security**: inspection of pressure vessels & storage tanks used in oil, gas & petrochemical industry; rescue missions
- Environment**: cleaning waste, water and air
- Transport**: autonomous vehicles such as cars & drones
- Entertainment**: cinema & educational games

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Robotics enables companies to continue manufacturing in Europe, where they might otherwise move operations to lower-cost countries. But the potential of robotics goes far

beyond the factory: from helping nurses in hospitals to inspecting dangerous power plants and tedious farm work. Autonomous cars and drones are other examples of robots. (see: [What robots can do for you](#)).

## **Background**

The project is launched at the [AUTOMATICA 2014](#) conference in Munich.

SPARC is open to all European companies and research institutions. The partnership launched today is based on a contract signed with euRobotics aisbl on 17 December 2013 ([press release](#)).

The first call for proposals related to SPARC are run under the pillar [LEIT - Leadership in Enabling and Industrial Technologies](#) of the new EU research and innovation programme [Horizon 2020 #H2020](#).

The next funding call will be published in October 2014 with an April 2015 deadline. Stay tuned via [@RoboticsEU](#) – find out more about [EU support to robotics](#) and [examples of funded projects](#).

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