Connect. Collaborate. Automate

Empowering businesses. Transforming manufacturing.

RAMP (Robotics and Automation MarketPlace) is your one-stop destination for all things Manufacturing, connecting a diverse network of manufacturing SMEs, technology and service providers, and Digital Innovation Hubs across Europe. Your journey starts in the RAMP Marketplace to find the best partners and technologies, while utilizing the RAMP IIoT (Industrial Internet of Things) platform, you can harness the power of cloud and IIoT towards full digitization of your production.

Whether you are a Manufacturing SME, a Technology and Service Provider or a Digital Innovation Hub, empower your business with RAMP.

Marketplace
Bring production to the next level by connecting to your next technology partner

RAMP IIoT
Innovate with a full set of tools to bring your production to the Industrial Internet of Things (IIoT) era

Find a partner

There are several ways to find a partner in RAMP, according to your needs and level of expertise:

- *Find a partner* to solve your production challenges in the catalogue of organisations in RAMP, based on profiling information, including country, expertise and services.
- *Discover solutions* for digitisation, automation and robotics and connect with the most relevant technology provider.
- *Get local support* by finding the Digital Innovation Hub in your region to connect with your local ecosystem.
- *Ask for a service* by specifying your requirements, negotiate offers and track contracts with providers recommended by RAMP, specifically for your needs.

Access the RAMP IIoT

RAMP offers a complete set of cloud solutions that allow you to innovate and bring your production to the Industrial Internet of Things era.

1. Start by connecting your sensors, robots, machinery and software to the RAMP cloud. Our open-source solution adopts key technologies for interoperability, like MQTT and NGSI-LD.
2. Store your data on our secure data storage, ensuring that your valuable information is protected and readily available whenever you need it. Fully manage how your data is shared, when you need it.
3. Find a partner in RAMP, who will develop your bespoke solution for your production.
4. You partner deploys your solution by utilizing your private repository on RAMP, stored securely for future reference and improvements.
5. Make available your cloud-based solution in your AppHub, a common graphical environment for all your apps developed even by different service providers.

Technologies you can find in RAMP

RAMP provides access to a broad range of technologies aiming at improving performance in manufacturing through digitalization. These have been developed by the companies, research organizations and universities found in the RAMP technologies catalogue. These are provided either as open-source (including source code and docker image formats) or as proprietary (to be licensed), while contact through RAMP for customization and integration is also available.

Before developing new applications for your challenges, have a look at RAMP for what has already been developed and tested in industrial settings. Utilizing existing technologies can speed up your implementation significantly.

In RAMP you can find technologies related to:
- resource management,
- production planning and management, scheduling
- operations planning, monitoring and management,
- quality control and management,
- human-robot interaction and work safety,
- logistics planning and management
- and more, in our continuously expanding catalogue!

I'm a Service provider or integrator… What's in it for me?

RAMP is your valuable partner for accessing a wide market and develop solutions for your customers quicker.

- Find customers by publishing your services, expertise and available technologies.
- Make offers in public and invite-only opportunities.
- Find available technologies and partners that complement your expertise to offer a holistic solution to your customers.
- Utilise the RAMP private docker registry to quickly deploy and update your solutions for your customers.
- Enrich your offer by including ready-to-use RAMP services and tools, including the RAMP IIoT platform, cloud data storage, data visualization and AppHub.
- Keep all your service contracts, communication and documentation with you customers organized and always available in RAMP.

What about Digital Innovation Hubs, Clusters, RTOs and Universities?

On top of the above, RAMP provides opportunities for DIHs, RTOs and Universities to expand and manage their network.

- Become the point of contact in your region in a dedicated 'Local Support' page. Demonstrate to local actors in your region how digitalization is utilized in leading small and medium sized manufacturing companies in Europe.
- Use RAMP to keep constant contact with your ecosystem, bring news about your activities, tools, technologies, best practices and funding opportunities. Enable local companies to benefit from the experiences of other SME companies.
- Post and promote your next events, set up local activities and projects in the area of digitalization of SME scale manufacturing, run open calls for matchmaking.
- Identify the forefront of digitalization in manufacturing and needs for further research and development. Find commercial partners for technology transfer and exploitation.