



Technology

Europe

MACHINA

Streamlining AI Development & Deployment at Scale with Portainer

Business overview

Machina is a European software innovator specializing in grant, case, and application management systems. As they integrate AI into their platform, Machina supports multiple customer-specific instances, each containing AI components, across Docker environments and relies on a 20-strong team of developers, AI engineers, and DevOps to drive innovation.

Challenges

As Machina ramped up its AI initiatives, they faced significant operational friction:

- Manual deployment of AI container updates took 1–2 hours daily per engineer
- Frequent errors and delays hindered testing and iteration
- Tight coupling between developers and DevOps slowed feature delivery
- Need for secure, scalable access control as their team and platform footprint grew

RESULTS THAT MATTER

The real-world impact of smarter
container management.



The solution

By adopting Portainer, Machina transformed their delivery process:

- Automated deployments using CI/GitOps, reduced daily deployment time to just 5-10 minutes - a 95 % efficiency gain
- Empowered developers with self-service deployment options and simple request workflows, reducing back-and-forth with operations
- RBAC integration via OAuth centralized access control and eliminated redundant permission management
- Scalable container orchestration across per-customer VMs simplified AI rollout and future model updates

As a result, Machina reclaimed hundreds of person-hours annually (~\$340K in savings) and positioned themselves to scale AI across 20+ team members and multiple environments.

"Per day, I spent an hour or two easily on deployments and now with Portainer and full use, that'll probably go down to at most 5-10 minutes."

Zoe Matre, DevOps Manager

Whether you're managing at scale or building
at the edge, we're here to make it simple.

Get started now