What you need to know to become AI-ready!

AI SUCCESS STARTS WITH THE FOUNDATION

In the world of Artificial Intelligence, many companies focus on strategy – but without a solid foundation, success will remain out of reach.

AI – THE ENGINE OF YOUR SUCCESS

With Artificial Intelligence, companies create **genuine competitive advantages** – and every level of the **organisation feels the impact**:

- Faster decision-making
- Higher productivity
- Lower operating costs

“What use is the best AI strategy if the **infrastructure** can’t **keep up**?

3 CHALLENGES IN IMPLEMENTING AI

Infrastructure: Existing systems are often not AI-ready and hinder growth

Data security: Increasing demand for confidential computing protects sensitive information

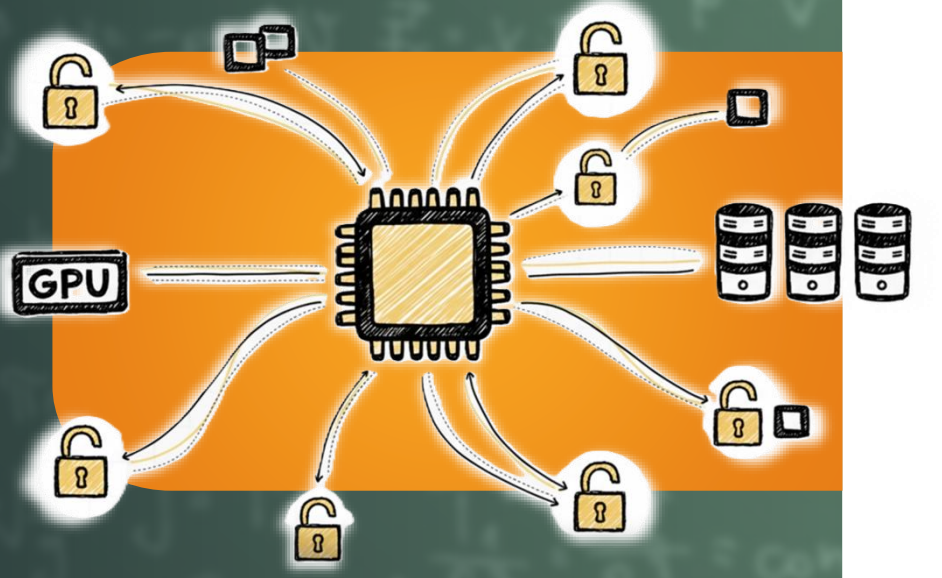
Investment strategy: Finding the right balance between budget, flexibility, and scalability

AI APPLICATIONS DEMAND ENORMOUS COMPUTING POWER

Many data centres are reaching their limits:

- too little **space**
- overloaded **infrastructure**
- insufficient **cooling**

Confidential Computing



It protects data during processing in a hardware-based, trusted environment.

In AI applications, tasks are distributed across many systems – a highly complex network where data security must come first. Confidential Computing is the key technology for ensuring trust and protection in modern IT environments.

BUDGET

Strategic dilemma:

Should one invest in AI to make existing processes more efficient – or focus on groundbreaking innovations that could open up entirely new business areas?

Productivity AI NAS	Innovation AI
Relies on inference	Relies on training
Primarily uses CPUs	Often requires new GPUs
Enhances workflows	Creates new revenue opportunities

Rethinking Infrastructure:
4 Levers for Your IT

Create space: Consolidate servers and use resources efficiently

Increase flexibility: Build an agile, scalable infrastructure

Boost performance: Accelerate data flows and avoid bottlenecks

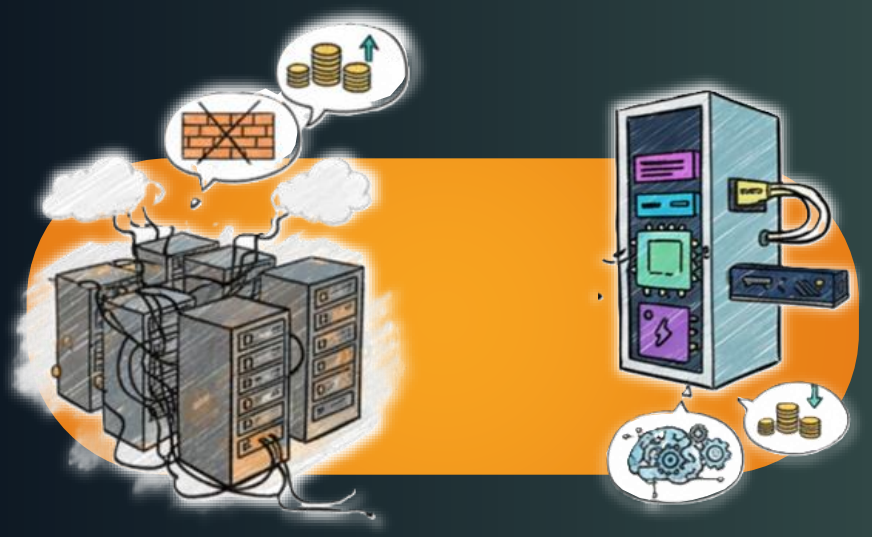
Think ahead: Plan beyond the data centre and make it future-proof

CONSOLIDATE SERVERS:

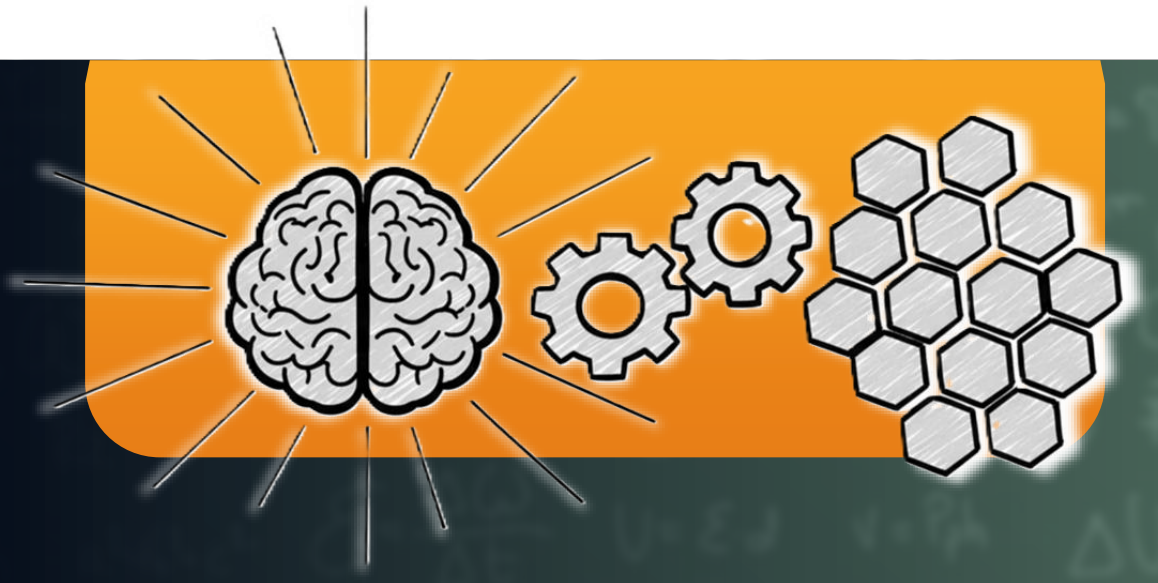
1 MODERN SERVER CAN REPLACE UP TO 7 OLD SYSTEMS!

Not just theory: With AMD EPYC™ 9005 processors, machine learning throughput can be **up to 3× higher**, and AI tasks are completed in a fraction of the time.

A Comparison



Legacy Servers	Modern CPUs
Many server racks	Fewer racks
High power consumption	Lower power consumption
High operating costs	Reduced operating costs
Limited space	Room for AI expansion



Flexibility

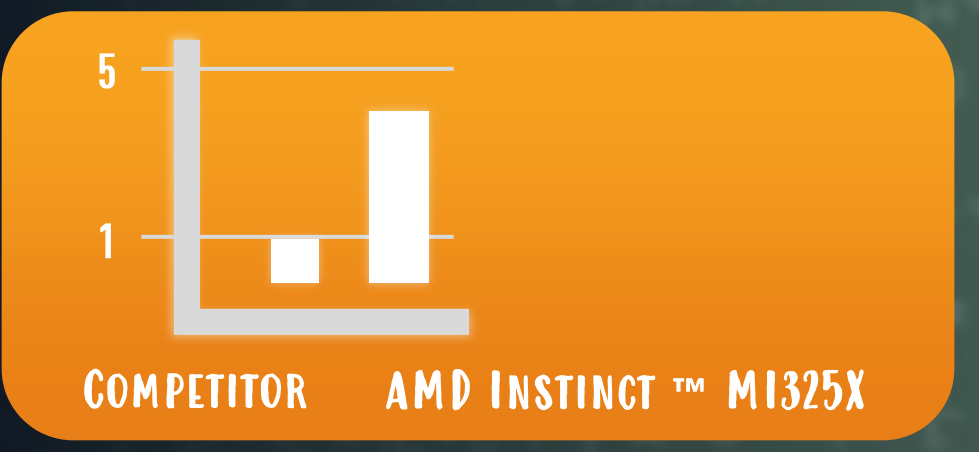
Not CPU or GPU – but the smart combination of both.

CPUs handle organisation and task distribution, while GPUs provide the power for massive parallel processing and training large AI models.

Together, unbeatable!

Performance:

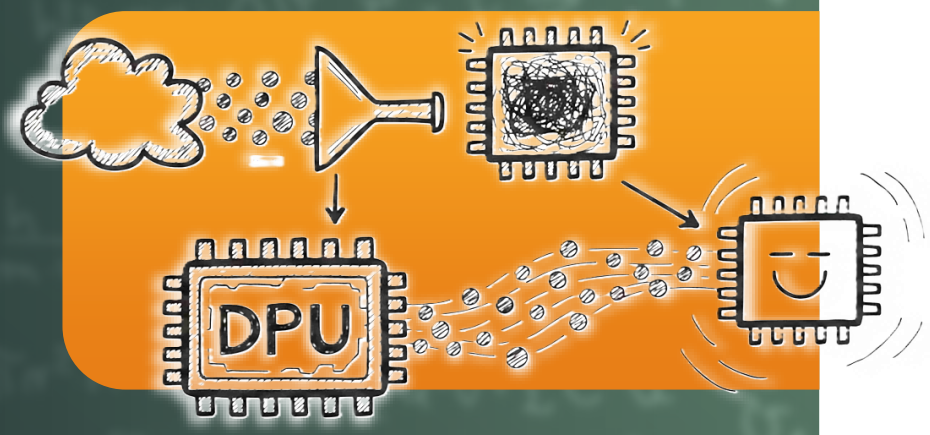
This is where it gets truly impressive!



With specialised accelerators like the **AMD Instinct™ MI325X**, AI inference performance can be up to 4× higher compared to the competition.

The difference? From “Just a moment...” to “**Wow! The result is instant!**”

THE NETWORK IS OFTEN THE BOTTLENECK



Performance is only as strong as the weakest link: if data gets stuck in the network, even the fastest processor won't help.

Data Processing Units (DPUs) handle traffic management, relieve the CPUs, and keep the data flowing.

Solutions for the future

From the cloud to the desktop:
a well-thought-out AI strategy reaches every device and every employee.

AI DIRECTLY ON THE PC:
WHAT DOES THAT MEAN?

Immediate responses:
No waiting due to cloud connections

Data sovereignty: Sensitive information stays local

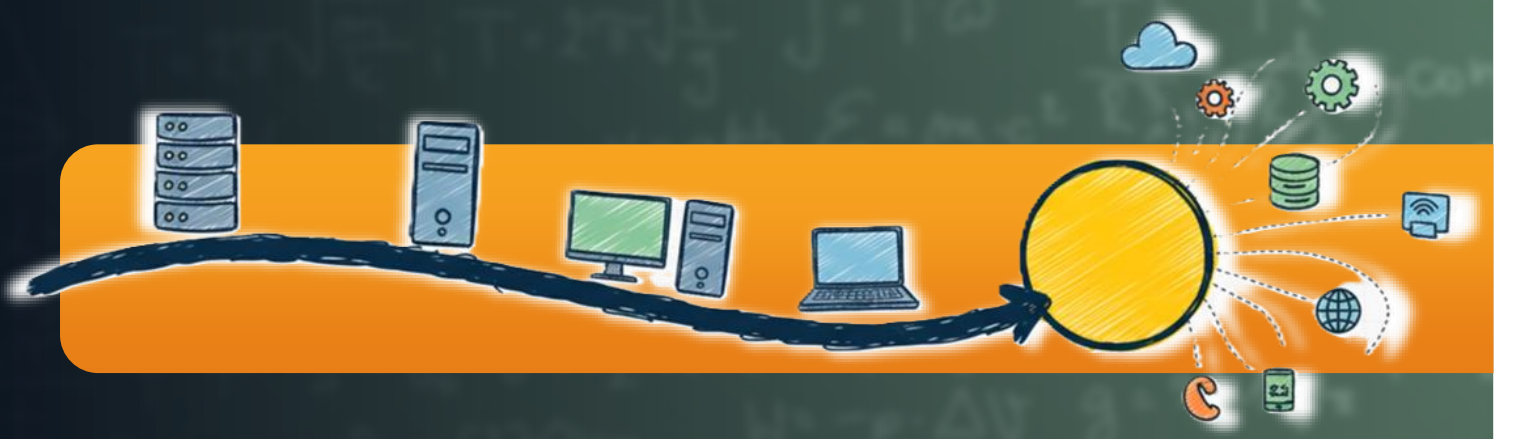
Efficient support: AI assistance directly at the workstation

Raw power.
Incredible efficiency.

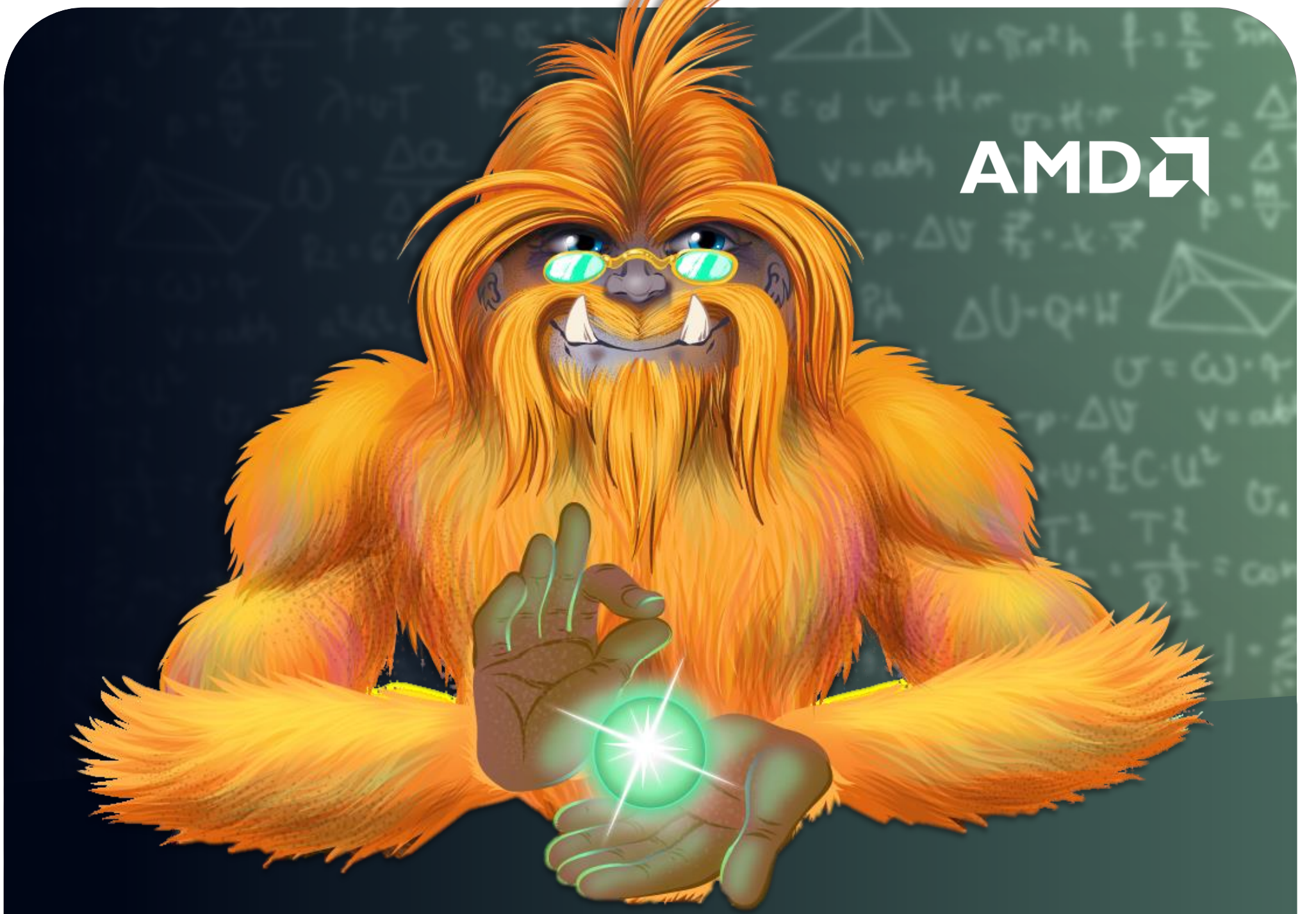
Practical example:

A system with an **AMD Ryzen™ 3000** processor achieves **up to 23 hours** of battery life during video conferences – performance that lasts not just the entire workday, but much longer!

LOOKING TO THE FUTURE WITH THE RIGHT PARTNER



A partner that relies on open standards opens up limitless possibilities: you have the freedom to choose the technology that best supports your vision.



Is your AI strategy built on a sustainable foundation?