

arctur
where **creativity** meets **experience**

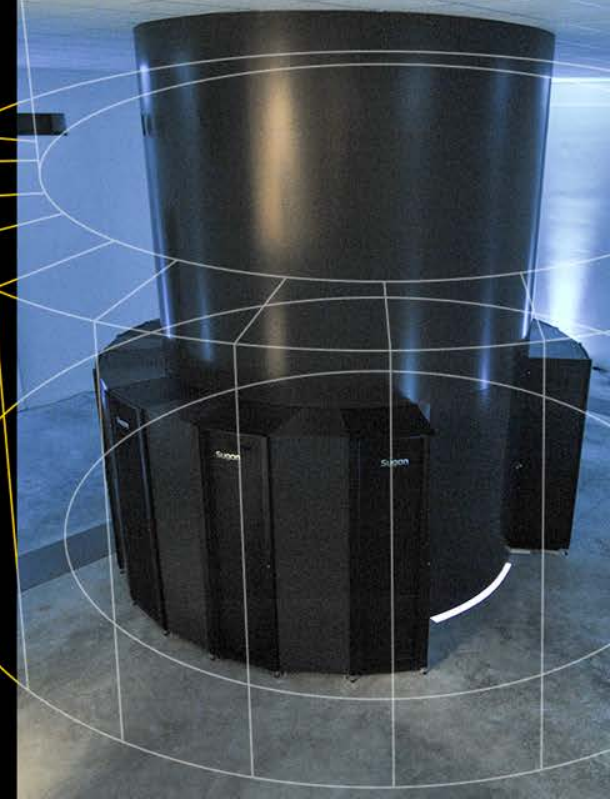
*HPC &
big data*

*innovative radiation
detection*



HPC & big data

- European Digital Innovation Hub & Competence Centre
- The biggest commercial HPC provider in the region
- Flexible High Performance Computing in the cloud
- ISO 9001 certified



*HPC &
big data
selected references*



calculation of
maize genome



calculation of
aircraft
aerodynamics

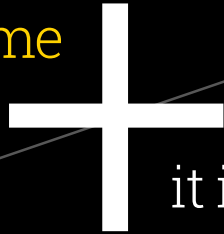


high pressure
cylinders from
composite
laminates

aisensegamma4

competitive advantages

shows **direction**
towards the
gamma-ray source
in **real time**



it is a complete tool:

- direction
- dose rate
- ID of gamma-ray source
- neutron detection



aisensegamma4

localization of the
gamma-ray source

classic detector



VS



AI Sense Gamma4

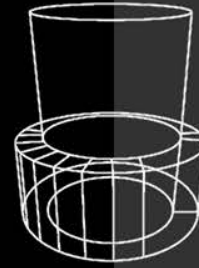


future outlook



AISense Gamma4

- military version
- dedicated aircraft version
- new detection materials



HPC & Big Data

- cyber security issues
- cryptography
- quantum computing

- demanding analysis of very complex spectra
- remote interpretation of multisensor system

