

arctur @ *Defence & Dual Use Technologies 2018*

European Symposium on Synergies between EU funding
for defence and dual use research and innovation
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arctur

where *creativity* meets *experience*

- established in 1992
- euro, Schengen zone, 6 languages spoken
- european Digital Innovation Hub & Competence centre
- ISO9001 Certified
- innovation center

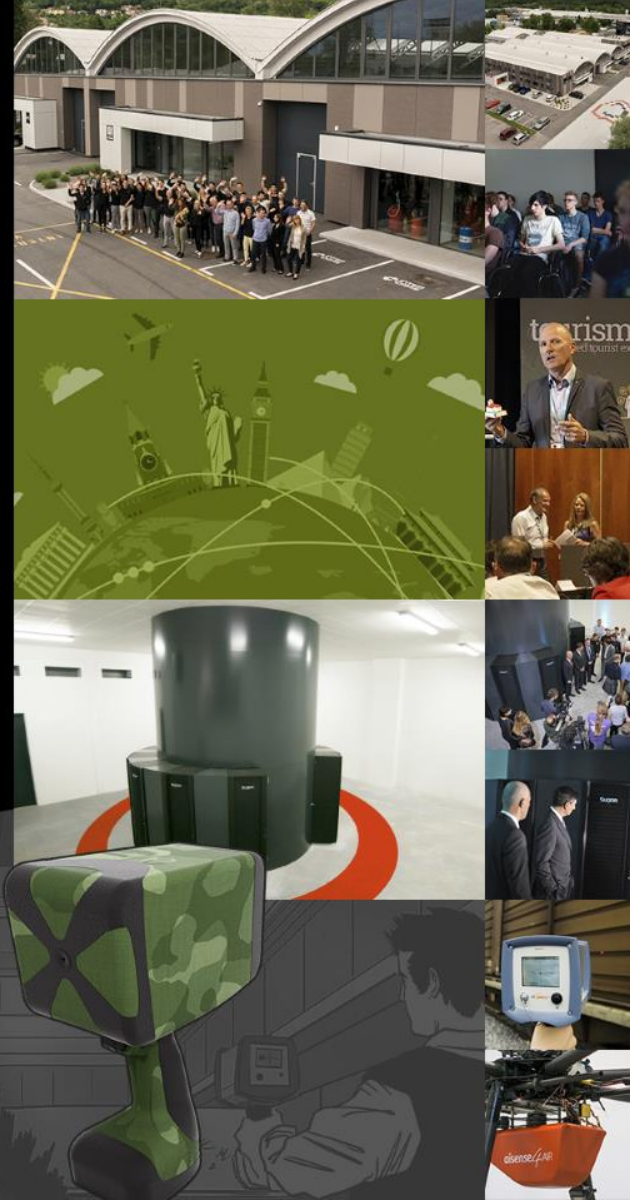


arctur
where **creativity** meets **experience**

tourism 4.0
enriched tourist experience

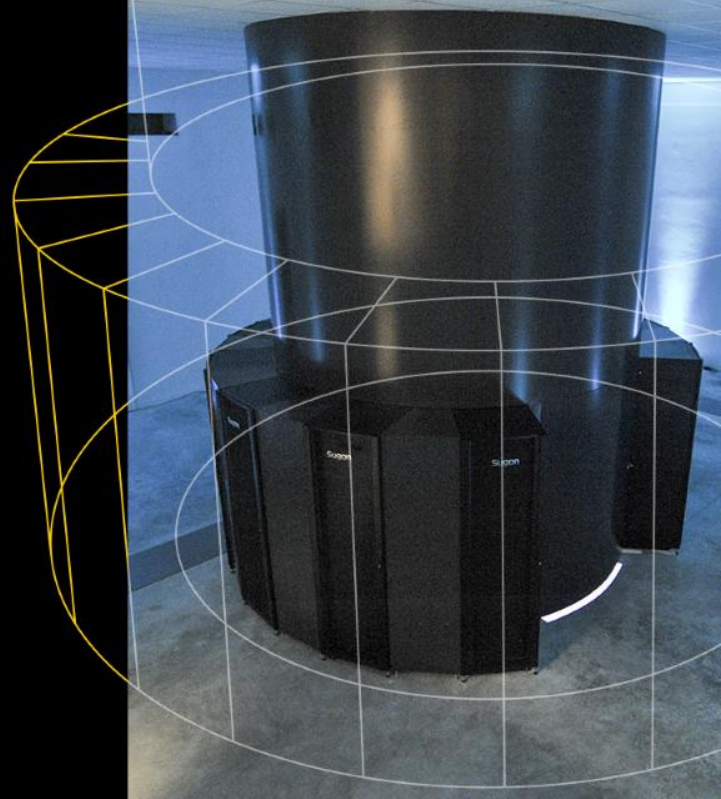
*HPC &
big data*

*innovative radiation
detection*



HPC & big data

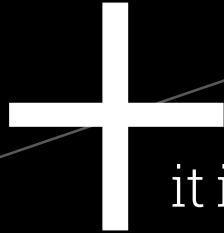
- European Digital Innovation Hub & Competence Centre
- The biggest commercial HPC provider in the region
- Flexible High Performance Computing in the cloud
- ISO 9001 certified



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



intensive involvement in projects

FP7

- Fortissimo
- CloudFlow
- Civic Epistemologies
(TRL 6-8)

H2020

- Fortissimo 2
- CaxMan
- IOStack
- NextGen I/O
- Accelerate
(TRL 7-8)

National

- Tourism 4.0
(TRL 3-6)
- RRI HPC&SME
(TRL 7-9)
- RRI Gostol
(TRL 7-9)

EDF-EDIDP

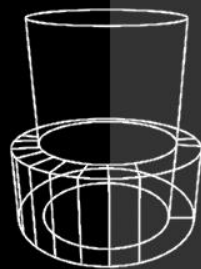
(work in progress)

future outlook



AI Sense Gamma4

- military version
- dedicated aircraft version
- new detection materials



HPC & Big Data

- cyber security issues
- cryptography
- quantum computing

partners!

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

