

## Imalogic: The X-ray and Infra-red Imagers of the Future

### Background

Improvements in CMOS circuitry have opened up new opportunities, sparked advances in integration and packaging technologies, and driven the development of new detection materials that have a profound impact on the imaging field.

The potential benefits for public health, safety, and the environment are considerable, and international competition from Japan and the United States is fierce.

Minalogic counts among its members leaders in X-ray and infra-red imaging.

### Partners

#### Corporate

Sofradir - STMicroelectronics - Trixell - Ulis

#### Laboratoires de recherche

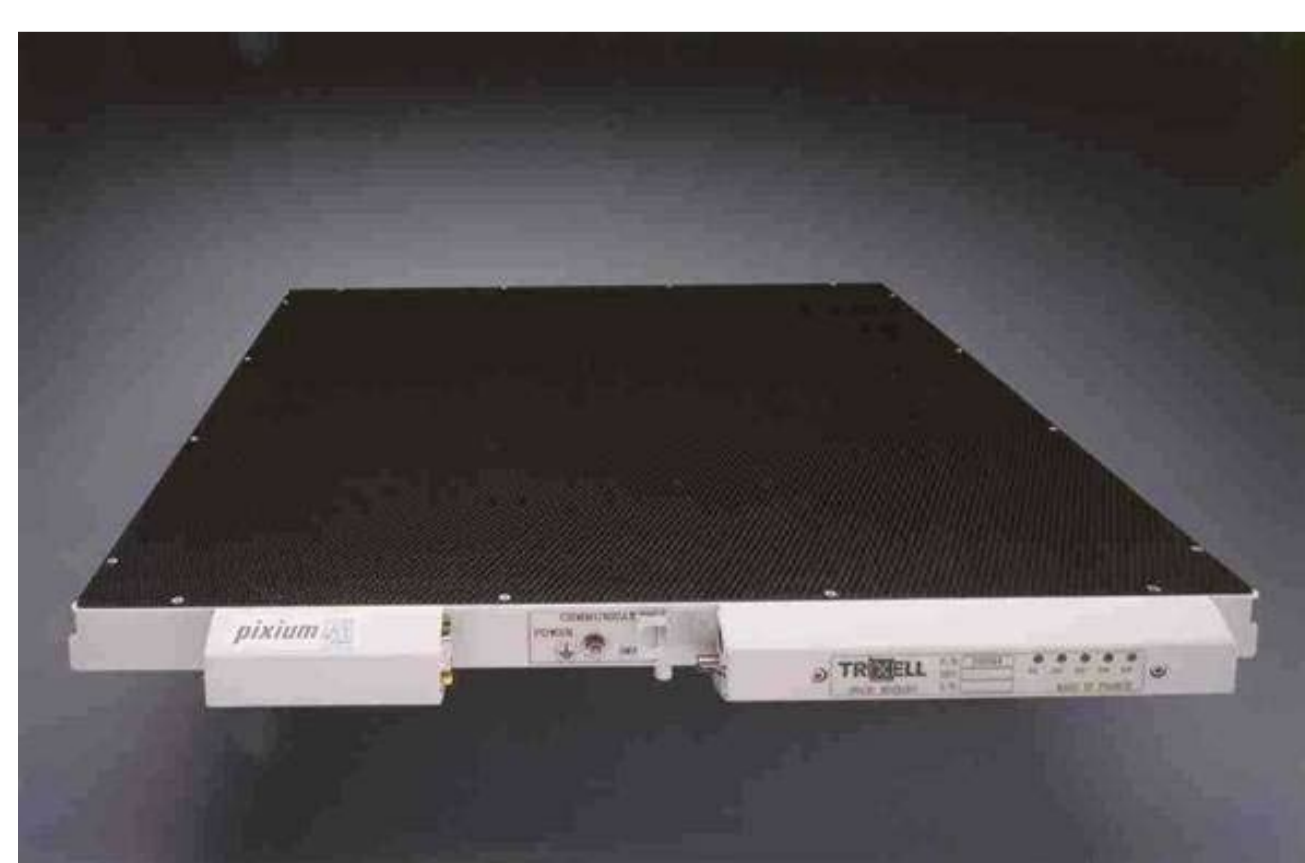
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### Key figures

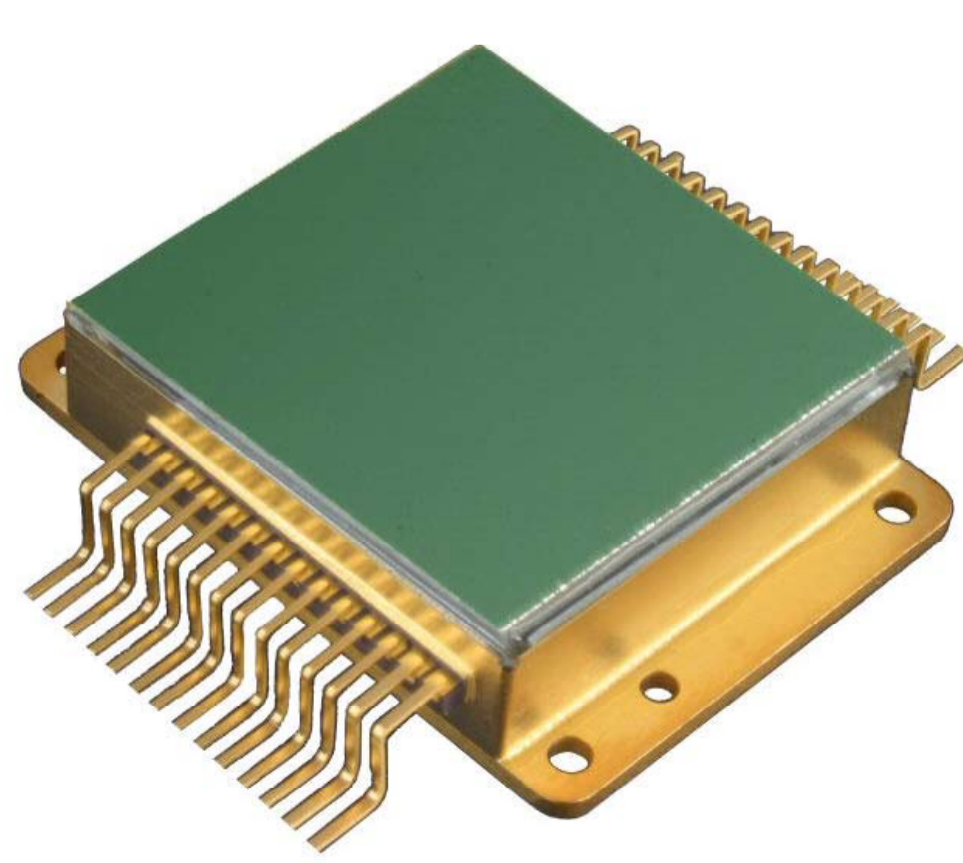
Budget: €23 million

Duration: 3 years

Human resources allocated: 120 people per year



Pixium 4600 x-ray detector – Trixell



Non-cooled infra-red detector – Ulis



Cooled infra-red detector – Sofradir

### Innovation

Overcome technical hurdles to developing the digital imagers of the future, with a particular focus on detection components and technologies:

- Detection materials and technologies
- CMOS reading or detection circuits and embedded intelligence
- Integration and encapsulation technology

Ensure that future products meet the needs of the market by working closely with target industries. The target applications apply to the following markets:

- Safety
- Surveillance
- Civil aviation
- Automobile
- Health: medical x-ray radiology and infra-red imaging

