CENSIS Innovation Centre for Sensor and Imaging Systems

The £6m Mirage Project

A Scottish FIRST in global manufacturing

CENSIS announces a ground-breaking collaborative R&D project which will allow Scottish companies to exploit the global sensors and imaging systems (SIS) market.

The Mirage Project will see CENSIS supporting five organisations to produce and grow new compound semiconductor materials in Scotland and reshore manufacturing from Asia.

The project will give Scotland a new platform to develop and manufacture cutting edge sensor products for multiple global markets.

Significant economic growth for Scotland:

£56m *over 10 years*

Hi-tech manufacturing jobs will return to Scotland from Asia.

Strengthened supply chain of businesses and technical expertise in the Scottish SIS industry.

Individual company growth

Mirage aims to boost turnover for the businesses involved by

£135 million

and cut their production costs by

50%

The project will give companies involved an important competitive edge in the mid-IR sensors market, predicted to grow to a value of

£7 billion by 2019

State-of-the-art technology to develop new products

Access to III-V semiconductors will result in cutting-edge, quality mid-IR sensors in high volumes with greater sensitivity, lower cost, reduced energy use and a longer lifespan than existing products.

PRODUCTS AND APPLICATIONS:
The materials will enable development and manufacturing of a vast range of products for these growing markets

- Homeland security
- Military communications
- Infra red imaging
- Ultra-sensitive chemical detection
- Medical diagnostics
- Industrial process controls
- Remote gas leak detection
- Pollution monitoring
- Real-time combustion controls

Future innovation: a culture shift

This project will have a disproportionately positive impact on Scottish industry and is a game-changer for collaborative R&D

The organisations involved will be at the forefront of global trends and in a unique position to access new markets, ultimately creating a globally competitive supply chain of businesses

Further innovation and breakthroughs with the materials will continue through collaborative research and the sharing of expertise.

UNIVERSITY

Universities **research** the technology and share knowledge

Companies **apply** the technology and share knowledge

COMPANIES

Funding

£2.8m

Amethyst Research · GSS · Compound Semiconductor Technologies · Cascade Technologies · University of Glasgow

£2.3m

Scottish Enterprise

£.25m + Capital Equipment

CENSIS

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