

TECHNOLOGY & INNOVATION

DRIVING EFFICIENCY, PROFITABILITY AND GROWTH

CRITICAL TRENDS

OPPORTUNITIES TO GROW

**DELIVERING
CUTTING EDGE
TECHNOLOGY AND
INNOVATION
THROUGH
PARTNERSHIPS**

**ADVANCED
RECOVERY
TECHNIQUES AND
INCREASED QUALITY**

**DELIVERING
OUTPERFORMANCE
AND EFFICIENCIES**

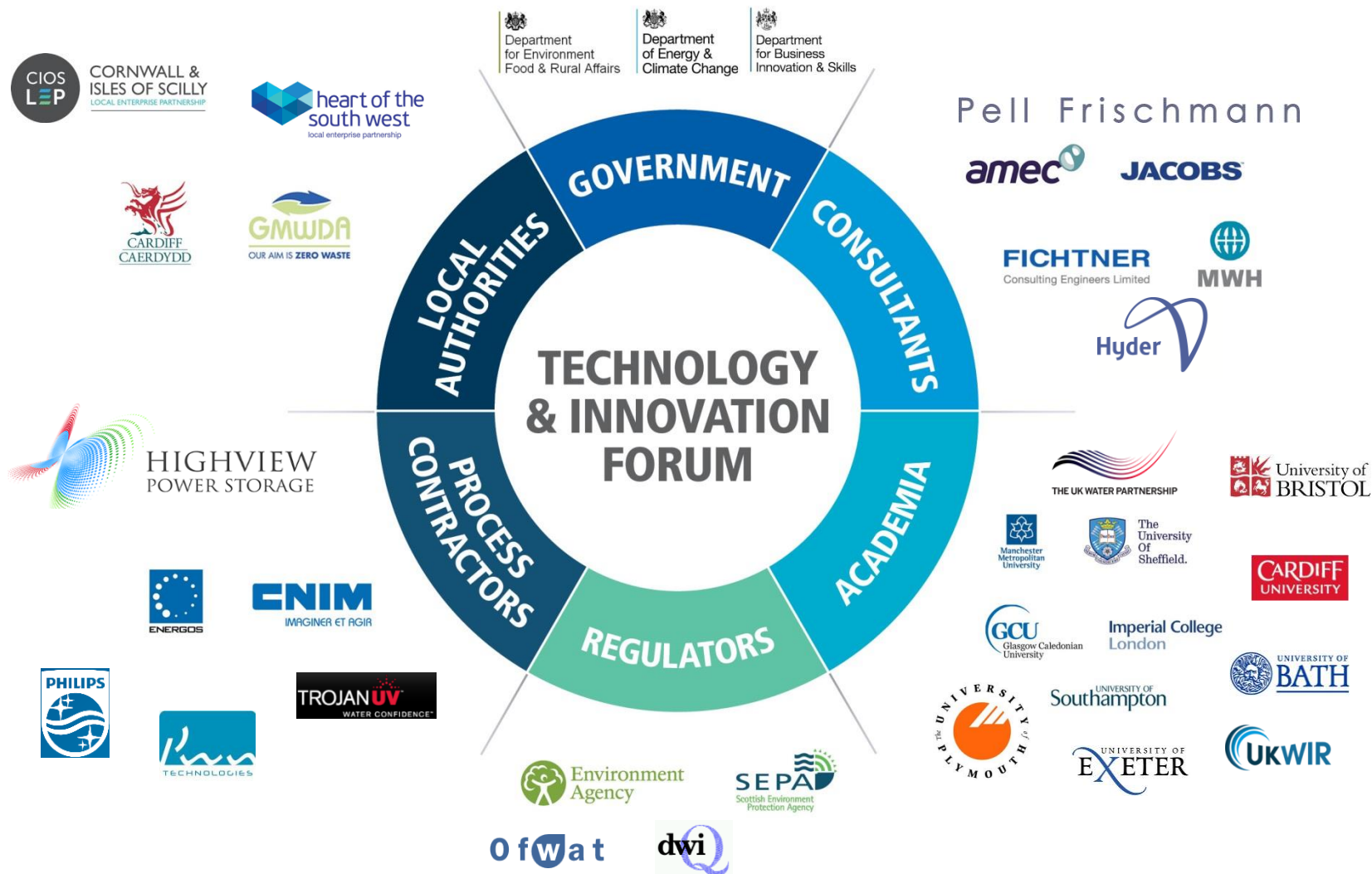
**TECHNOLOGY AND
INNOVATION AT THE
CORE OF
DELIVERING
STRATEGY**

**CHANGING
LEGISLATION &
REGULATION,
DRIVE TOWARDS
CIRCULAR
ECONOMY**

**MEETING RESILIENCE
AND POPULATION
GROWTH
CHALLENGES**

STRUCTURED APPROACH TO R&D AND INNOVATION

DRIVING FUTURE PROFITABILITY AND GROWTH



DRIVING INNOVATION

STRATEGIC FOCUS: VIRIDOR

ENERGY

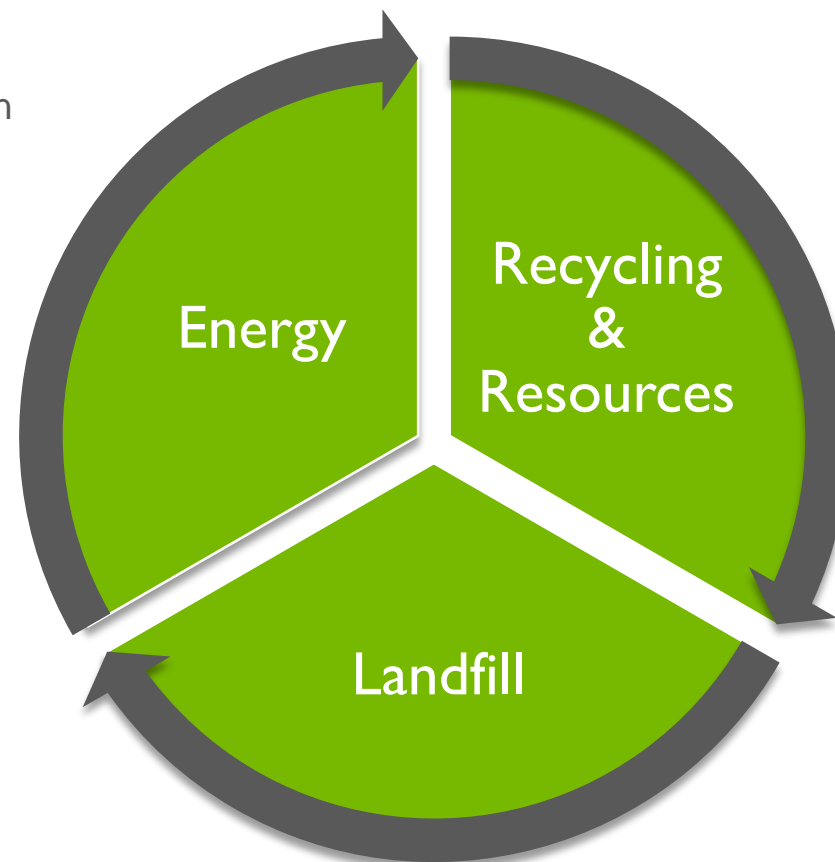
- Enhancing the efficiency, viability of production, distribution and/or storage at Viridor generating facilities

RECYCLING AND RESOURCES

- Enhancing recovery, purity, efficiency and/or quality of products to be marketed from Viridor facilities

LANDFILL

- Reduce the cost base and environmental risks from maintaining legacy facilities in a socially responsible and sustainable manner



DRIVING INNOVATION

STRATEGIC FOCUS: SWW

BUSINESS CHALLENGES

- Innovative ways to improve quality and reduce overheads whilst targeting ODI outperformance

PROCESS EFFICIENCY

- Efficient energy use, reduction of chemical use (e.g. new water treatment technologies)

ENVIRONMENTAL STEWARDSHIP

- Abstraction, water and wastewater management, catchment-sensitive approach to wastewater issues



UNLOCKING COMPETITIVE ADVANTAGE

DELIVERING COST SAVINGS AND IMPROVED PERFORMANCE

RESEARCH

- Engaging with universities and commercial institutions working in waste, water, environmental and engineering sectors

DEVELOPMENT

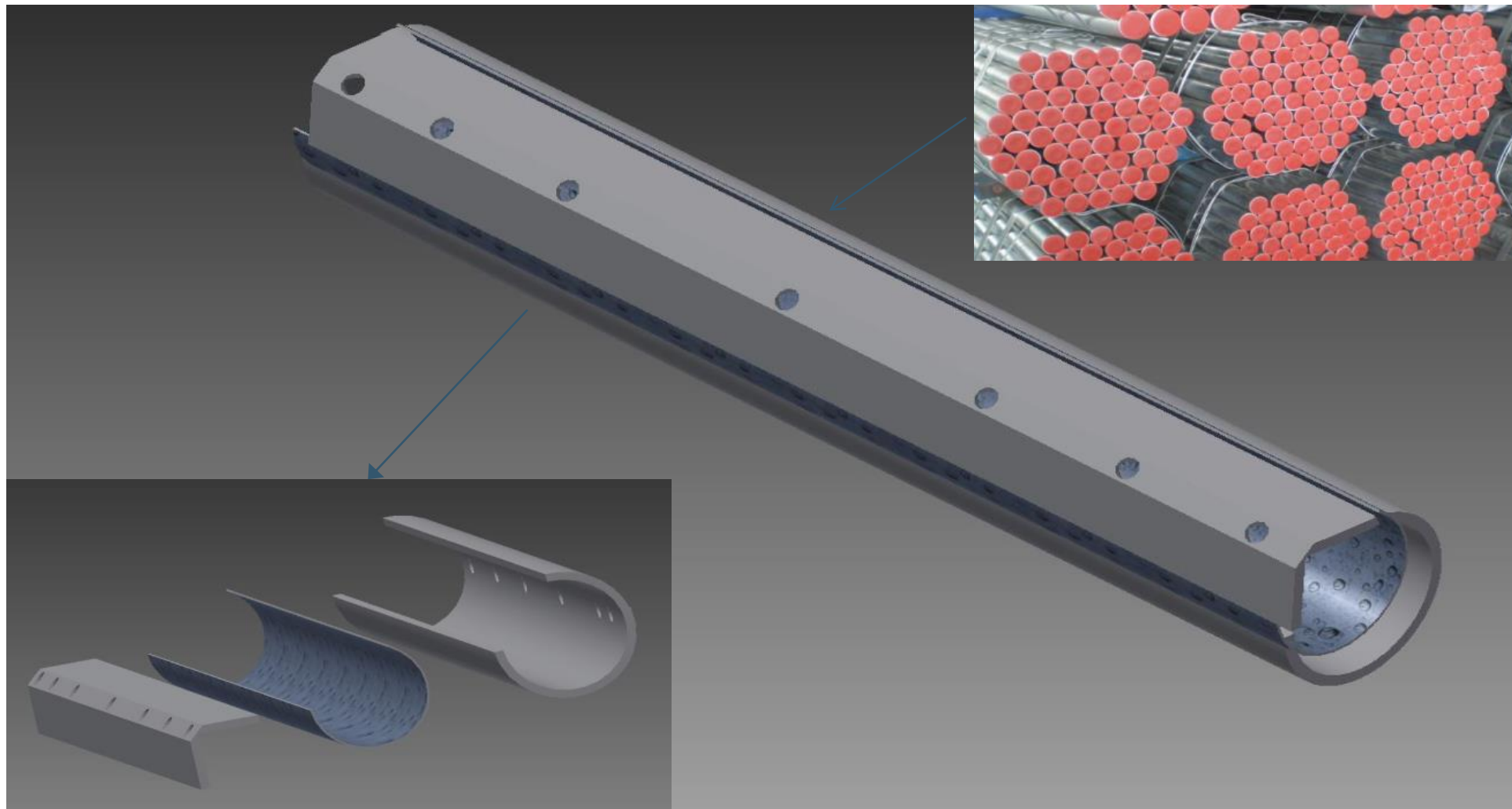
- Supporting, leading and funding pilot studies, encouraging commercial demonstration

APPLICATION

- Bringing proven technology online and into operating models to drive efficiency and quality

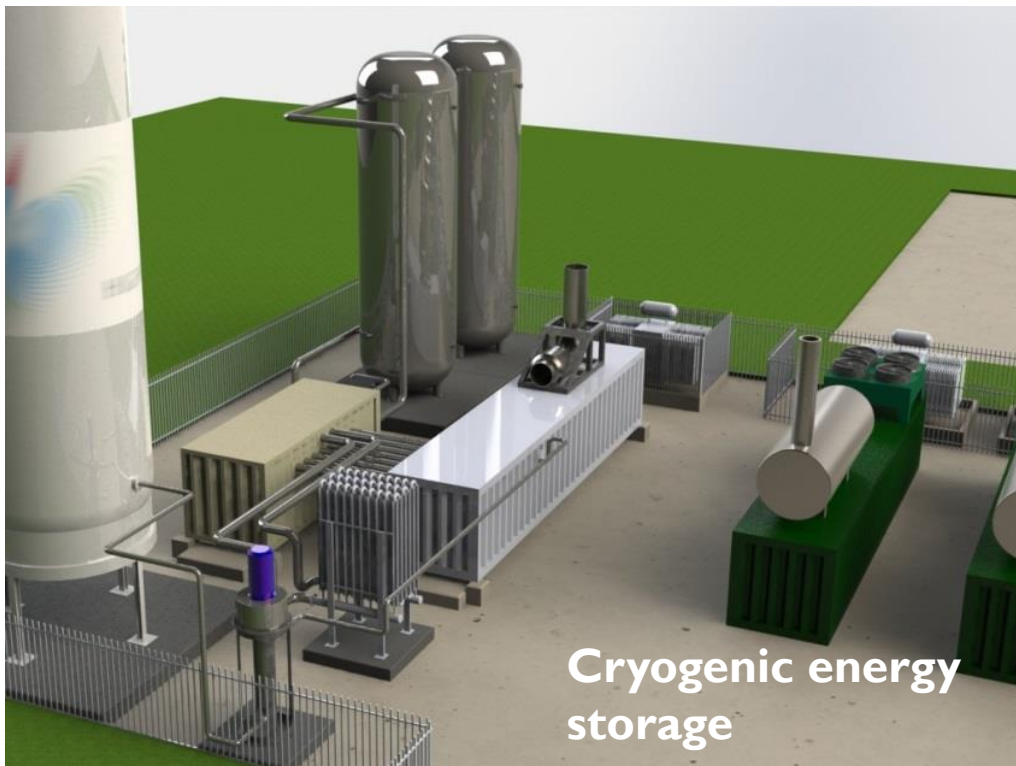
STRIPPING AMMONIA FROM LEACHATE

OFFERING THE POTENTIAL TO ENHANCE SYNERGIES WITHIN THE BUSINESS



ENERGY STORAGE AND CARBON CAPTURE

TWO OF THE MOST ADVANCED PROJECTS FOR VIRIDOR



Cryogenic energy storage



Carbon Capture Materials research

TECHNOLOGY AT WORK

INSPECTING WORKING ASSETS & REMOTE WORKER SAFETY



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