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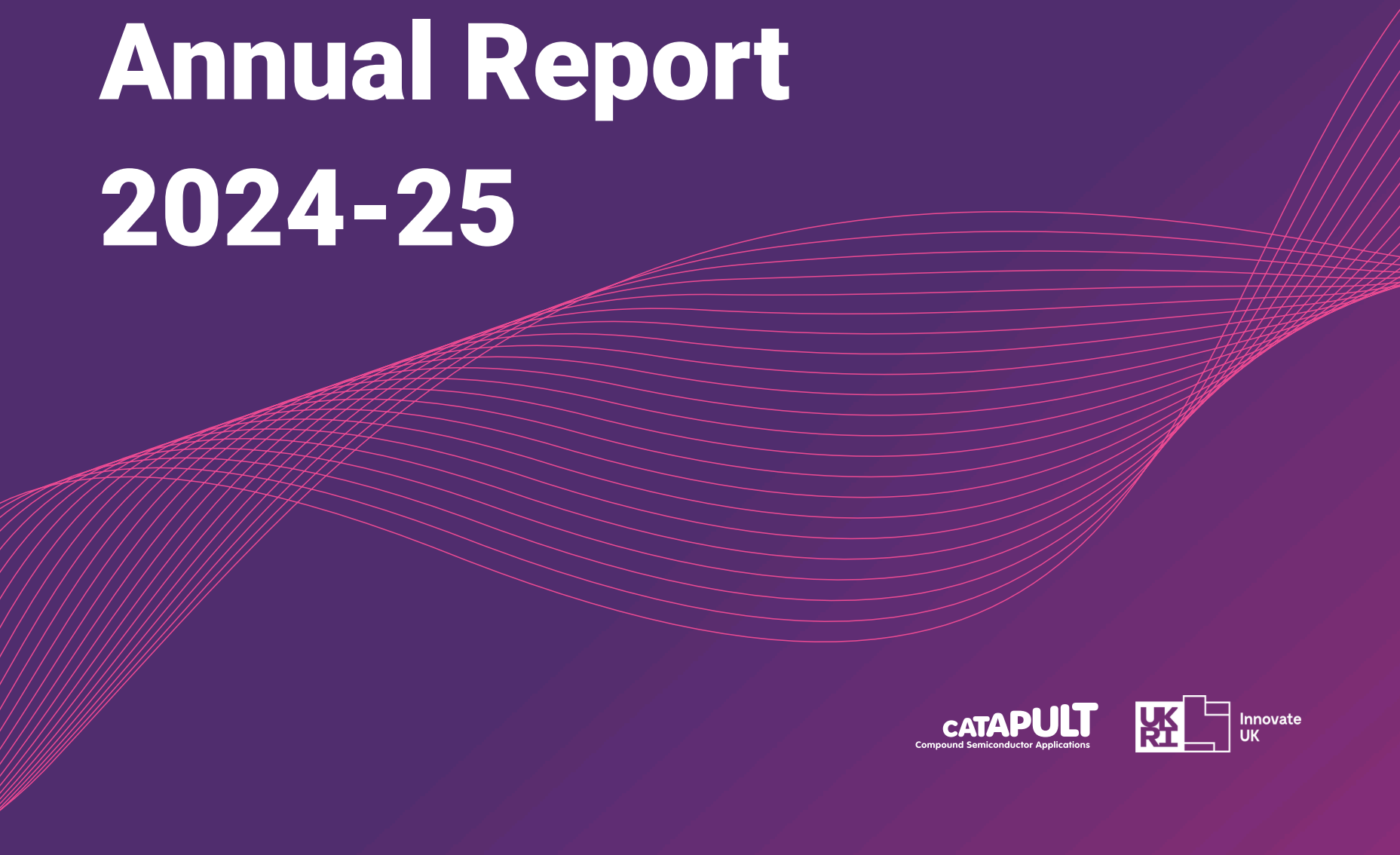
Annual Report 2024-25



CATAPULT
Compound Semiconductor Applications

UKRI Innovate UK

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Statement from the Chair of the Board

It has been a significant first year as Chair, having taken on the role in May 2024.

Over the past year, we advanced our strategy to strengthen economic resilience and sustainability through compound semiconductors—building centres of excellence, supporting supply chains and clusters, developing skills, and improving financial sustainability through commercialisation.

Since 2018, we have delivered £600m in GVA to the UK economy and created and safeguarded jobs, driven by our focus on accelerating Net Zero through power electronics and sustainable technologies, and enabling resilient, high-bandwidth Future Telecoms.

This year we opened our £2.5m advanced packaging facility in Newport, co-hosted WiPDA Europe and welcomed world-leading experts to South Wales; and joined Scotland's £5.5m REACT initiative. We also helped secure £9m to expand advanced chip manufacturing at the University of Strathclyde—further cementing our role in growing UK compound semiconductor clusters. During this period, discussions began about the Catapult mobilising and establishing the UK Semiconductor Centre.

I would like to place on record my thanks to former CEO Martin McHugh for his service and welcome Caroline O'Brien at this pivotal moment.

My thanks also go to the board, leadership team and CSA Catapult staff. Being named a 'Great Place to Work' in two categories reflects your talent and dedication.

Together, we are ensuring the UK remains at the forefront of compound semiconductor technologies.

Jonathan Flint
Chair of the Board
January 2026

Statement from the Chief Executive Officer

This year we strengthened our regional presence and expanded our technical capabilities, entering 2024–25 focused on scaling and growing our global influence.

CSA Catapult is now a mature organisation with a UK wide presence at the forefront of compound semiconductor technologies. Cardiff University confirmed our impact, reporting over £600m GVA delivered to the UK through our R&D projects since 2018.

We've expanded our industrial collaborations since the Catapult was established, participating in 90 CR&D projects that have generated £12.9m in funding.

Key milestones included opening our £2.5m advanced packaging facility, joining Scotland's £5.5m REACT initiative, and supporting £9m for chip manufacturing at the University of Strathclyde. We also sponsored a report projecting £900m GVA from the North East's advanced material electronics sector over the next five years.

We strengthened our role as a neutral convener—submitting eight recommendations to the UK Industrial Strategy, hosting a roundtable with Secretaries of State Jo Stevens and Peter Kyle, and signing an MoU with SMD Semiconductor at the House of Commons to deepen UK–Malaysia collaboration.

Through our Skills Academy, we awarded bursaries to 24 students and showcased UK–Malaysia STEM education. I'm proud that CSA Catapult was recognised as a 'Best Workplace' in two categories, achieving a 77% trust index score.

Looking ahead, we will build on these foundations to deliver even greater impact for the UK semiconductor industry.

Caroline O'Brien
Chief Executive Officer
January 2026

Our impact

CSA Catapult is the UK's authority on compound semiconductor applications and commercialisation.

Since 2018, we have delivered:

- 90 collaborative R&D projects
- £12.9m funding received from collaborative R&D projects
- 311 industrial collaborations
- 71 academic collaborations
- 5,931 jobs created or safeguarded
- 13 international partnerships
- 42% of projects involved an academic partner
- £713.5m of public and private investment leveraged by our customers

During the summer, we surveyed our customers to understand our impact, with the following key findings:

- 97% said they would work with us again
- 71% said they would not have been able to progress on new developments, or it would have taken longer or cost more, if they had not worked with CSA Catapult
- 12% secured private sector funding as a direct or indirect result of working with us
- 56% secured public sector funding as a direct or indirect result of working with the Catapult
- 56% said they have been able to target new markets
- 55% said they have stronger links internationally
- 74% said they have been able to develop new partnerships

Future Telecoms

From remote working to HD streaming and online banking, modern life relies on fast, reliable data transfer.

Data centres and telecoms already consume more than 2% of global energy, a figure set to rise as demand grows—highlighting the need for advanced cooling systems that cut energy use and operational costs.

ELIPS (Enhanced Liquid Immersion Power Systems), established a UK supply chain for Gallium Nitride (GaN) power electronics, developing modules, components and sub-assemblies that enable scalable, energy-saving systems for data centres.

COMPASS (Compact Phased Array Sensors and Communication Systems) set out to develop next-generation microwave sensor and communication technologies for aerospace and wider commercial markets.

Responding to increasing environmental and performance demands in aviation and satellite communications, the project delivered a first-of-its-kind compact, energy-efficient, and scalable phased array demonstrator, enabling lighter, more integrated and lower-power aircraft and satellite systems.

Net Zero

To reach Net Zero, almost all daily activities—from heating homes to powering vehicles—will rely on electricity. Meeting this rising demand requires more efficient generation, consumption, storage and transmission of renewable energy.

Compound semiconductors are critical to climate-change mitigation and a Net Zero economy, making vehicles lighter, more efficient and able to travel further with drastically reduced charging times. They cut the huge energy demands of data centres and are central to renewable energy systems, smart grids, efficient lighting and energy storage.

GaNext aims to accelerate the adoption of gallium nitride (GaN) technology by demonstrating its high efficiency and compact design, through the integration of GaN systems into real-world applications like wireless EV charging and renewable energy converters. With the power electronics market projected to hit $28 billion by 2030, demand for efficient and high-performance systems continues to grow.

Solid State Transformers (SSTs) are projected to add £9 million to the UK economy by 2028. Advancing high-voltage, high-current silicon carbide (SiC) MOSFETs will enable cost-effective, efficient and compact solutions for future electricity demand and a more flexible distribution network.

ASSIST — a £1.6 million UKRI-funded project brought together a sovereign UK supply chain to seize this opportunity, using 3300V/30A devices to develop a commercially viable module.

Supporting the UK ecosystem

Since 2018, CSA Catapult has worked with 209 partners across the UK—from start-ups and SMEs to major organisations—building networks, connections and investment opportunities while advancing next-generation compound semiconductor technologies.

With offices open in Bristol, Durham and Glasgow, CSA Catapult is at the centre of key CS clusters. The Catapult is now helping businesses in every region de-risk the commercialisation process, make better products and help get those products to market quicker, for the long-term benefit of the UK.

The Future Telecoms Hub in Bristol drives innovation in RF and microwave communications, photonics and quantum through close academic collaboration.

CSA Catapult Scotland builds on strengths in power electronics, advanced packaging and photonics for high-power sectors including energy, marine, aviation and rail.

CSA Catapult North East provides a base for continued engagement with a thriving semiconductor and advanced manufacturing cluster.

Skills

To become a global leader in developing new applications for compound semiconductors, the UK must develop the workforce to take this technology forward.

This year our Skills Academy continued to deliver on a range of projects, partnerships and initiatives to combat the shortage of diverse and skilled engineers needed to meet industry demands.

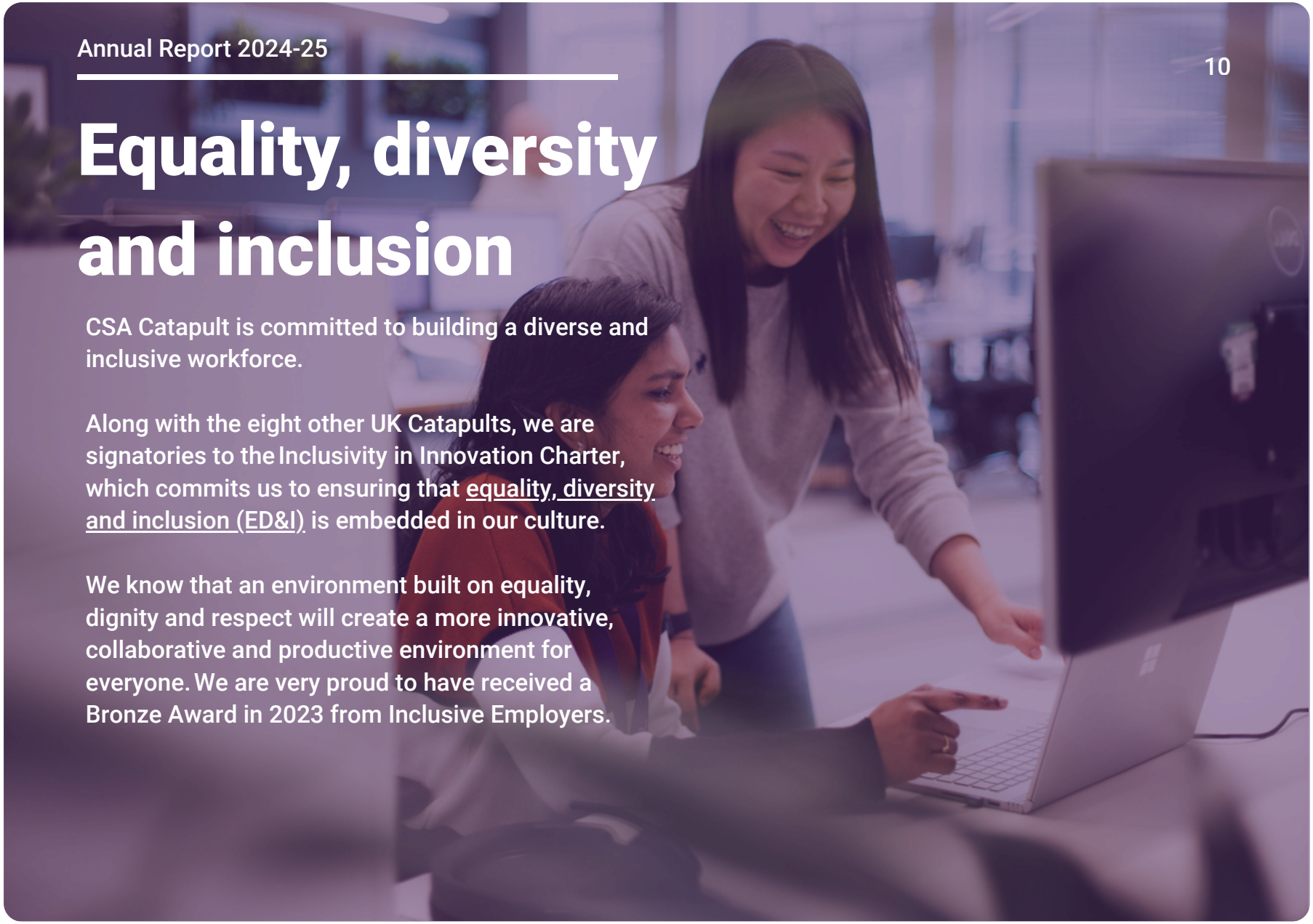
We have worked with schools, universities, industry, government, charities and parents to equip the next generation of scientists and engineers with the skills they need to enter the compound semiconductor industry.

Equality, diversity and inclusion

CSA Catapult is committed to building a diverse and inclusive workforce.

Along with the eight other UK Catapults, we are signatories to the Inclusivity in Innovation Charter, which commits us to ensuring that equality, diversity and inclusion (ED&I) is embedded in our culture.

We know that an environment built on equality, dignity and respect will create a more innovative, collaborative and productive environment for everyone. We are very proud to have received a Bronze Award in 2023 from Inclusive Employers.



Equality, diversity and inclusion

Our people

We're proud of our diverse workforce, bringing together colleagues of different races, ethnicities, religions, ages, genders, sexual orientations, cultures, languages, abilities and education levels.

Our people represent more than 20 countries across five continents, creating a rich mix of backgrounds and experiences that makes CSA Catapult a unique place to work.

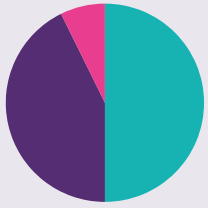
This cultural diversity fuels creativity and strengthens our innovation, helping us develop more effective solutions in everything we do.

Gender

Women 30.21 %
Men 69.79%

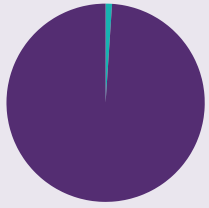
Women in STEM

8.33%



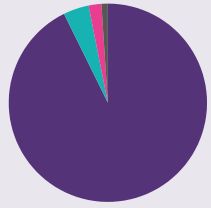
Married or civil partnership

Yes 50%
No 42.71%
Prefer not to say 7.29%



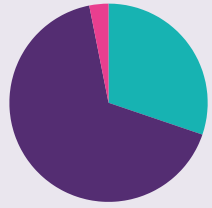
Disability

Yes 1.04%
No 98.96%



Sexual orientation

Bisexual 2.08%
Gay man/woman 4.17%
Heterosexual 92.71%
Prefer not to say 1.04%



Caring responsibilities

Yes 30.21%
No 66.66%
Prefer not to say 3.13%

Financial statement

The financial information in this view represents the year end position for CSA Catapult Limited Group for the year ending 31st March 2025.

Income

For the year ended 31st March	2025 £'000s	2024 £'000s	2023 £'000s	2022 £'000s	2021 £'000s	2020 £'000s
Innovate UK core grant funding	13,747	10,628	9,974	9,459	8,543	8,402
Third party grant funding	3,053	3,517	3,946	3,076	1,516	482
Industrial income	511	883	456	546	462	241
Total	**17,311**	**15,028**	**14,376**	**13,081**	**10,522**	**9,125**

Balance sheet

For the year ended 31st March	2025 £'000s	2024 £'000s	2023 £'000s	2022 £'000s	2021 £'000s	2020 £'000s
Fixed assets	10,465	10,294	10,571	11,371	12,525	11,406
Current assets	15,395	17,396	11,444	7,130	6,165	4,961
Creditors	(6,939)	(8,674)	(9,071)	(5,944)	(5,105)	(3,857)
Creditors: amounts falling due after more than one year	(16,684)	(17,621)	(12,414)	(12,433)	(13,553)	(12,503)
Net assets	2,238	1,395	529	124	31	8
Capital and reserves	**2,238**	**1,395**	**529**	**124**	**31**	**8**

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Compound Semiconductor Applications (CSA) Catapult