

COPELAND GROWTH STRATEGY 2016 -2020

OPEN FOR BUSINESS





“This Strategy aligns Copeland’s ambitions with economic growth that is not just on the horizon, but already delivering new opportunities across the borough.”

Foreword from the Mayor of Copeland

Copeland has firmly established itself as an international Centre of Nuclear Excellence and the world leader in all aspects of the nuclear industry. Copeland is the borough which will be powering the industries and communities of the Northern Powerhouse into the coming decades when the new Moorside nuclear power station is operational.

Two thirds of the borough sits in the Lake District National Park and with the level of inward investment that is heading our way, this creates a combination of circumstances that offers opportunities that exceed anything that is happening elsewhere in the UK.

The potential for Copeland is huge and this strategy brings into sharp focus what we need to do to ensure that potential is both understood and maximised to the benefit of our communities and industries.

Nuclear energy clearly has a huge part to play in both Copeland’s present and Copeland’s future. We need to use the nuclear sector as a platform to build upon and as a springboard to develop a more diverse and sustainable economy across the borough.

Building a broader and more wide ranging economy minimises the risk of overreliance on a single industry whilst increasing opportunities for growth. The opportunity for us is now and we cannot afford to let it pass us by.

For investors, innovators, businesses and entrepreneurs, Copeland should be right at the forefront of your plans. Copeland already has one of the fastest growing economies in the UK and the huge investment planned for the area is unparalleled anywhere in Western Europe. This really is a place with high ambition and great opportunity – and now is the time to become a part of it.

We are looking to maximise opportunities in the nuclear supply chain. We are looking to build new homes to suit all types of occupier on an unprecedented scale. We are looking to revitalise our town centres to capture locally the wealth being generated and to build on the tourism offer in this part of the Lake District National Park.

Copeland is set to benefit from one of the biggest single investments in Europe across a range of industries, attracting up to 6,000 new workers and their families to the region. We want these people to make their move to Copeland permanent not temporary.

This growth strategy sets out the vision and opportunities for Copeland’s growth in the coming years – now is the time for Copeland to achieve its full potential.

Mike Starkie (Mayor)





Growth Strategy Vision

By 2025 Copeland will be a sustainable home to a healthy and diverse economy, to support its growing population. It will be a dynamic and innovative hub for growth, internationally recognised as the Centre of Nuclear Excellence (CoNE) and a key driver in the Northern Powerhouse. The area's population will be well-educated and offer a balance of professional skills to deliver the opportunities evolving on its doorstep. Copeland's network of thriving communities will reflect the rich cultural heritage and unique natural environment that reinforce its draw as the ultimate destination to come and invest, do business, relax and call home.

“As a proud, born and raised West Cumbrian, passionate about our area and excited about its potential, I am pleased to commend this Growth Strategy. Copeland's outstanding cultural heritage and landscape is celebrated internationally, with the Lake District recognised by UNESCO as a World Heritage Site. With our nuclear expertise focussed around Sellafield, LLWR and the supply chain of local and international businesses, we have an enviable and unique set of opportunities.

Our local landscape was shaped by industry and agriculture, and our legacy should build on that internationally celebrated success. Building resilience, preparing for the infrastructure projects, developing tourism in partnership with communities as this Strategy promotes, will surely deliver the Copeland that we owe to our children, and their children, as our legacy to them.”

Trudy Harrison (MP, Copeland)

The Copeland Growth Strategy is rightly focussed on these strengths, whilst acknowledging the requirements for investment if we are to truly realise our full potential. Improved health, education and connectivity, as well as road, rail and digital access, will be achieved with this planned, collaborative approach. Our village and town centres will be vibrant and sustainable, with communities prepared and ready to capitalise on new nuclear investment, and all it will bring.



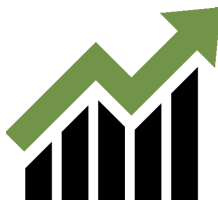
Key Facts



Location



4
key towns: Whitehaven, Millom,
Cleator Moor, Egremont



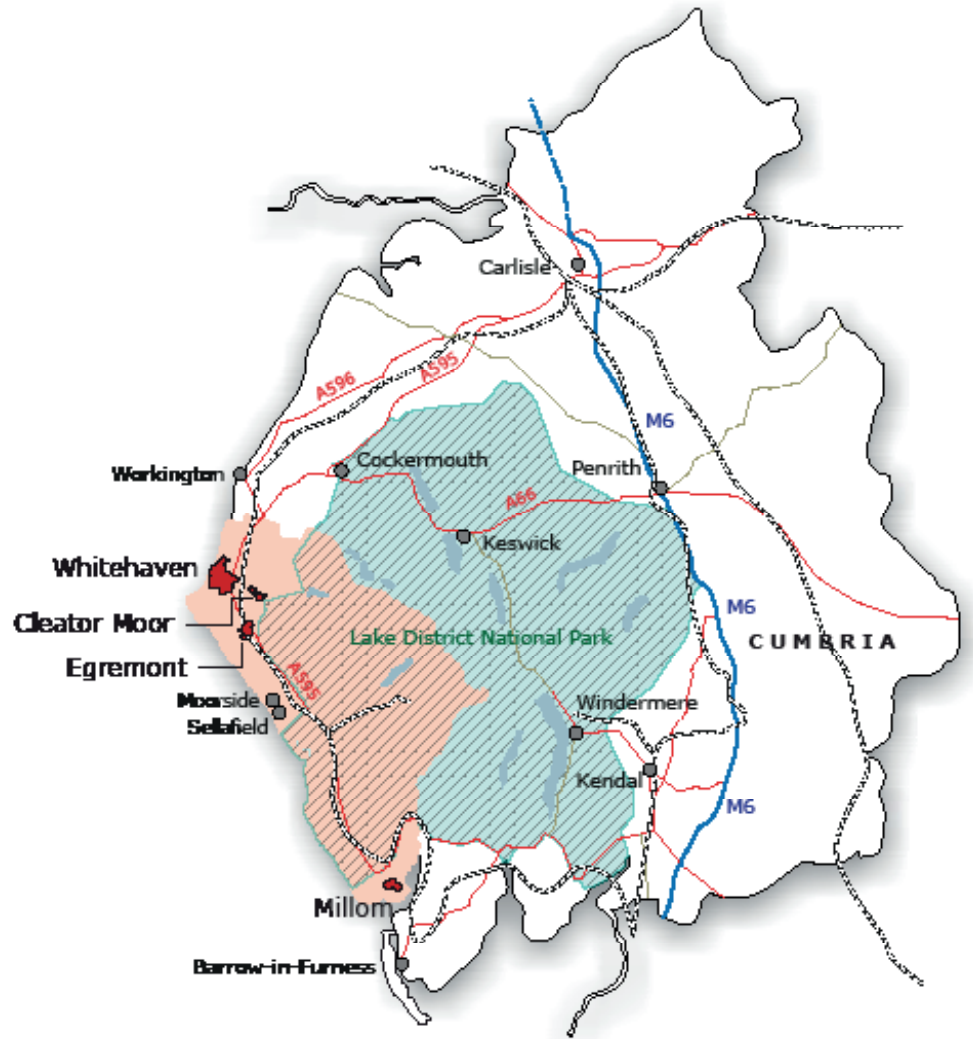
2,500
businesses



2/3
of Copeland is within the Lake District
National Park



1.8m
visitors per year



-  The Borough of Copeland
-  Lake District National Park



- 1 Centre of Nuclear Excellence
- 2 Enterprise and Innovation
- 3 Workforce, Skills and Education
- 4 Engineering
- 5 Energy Coast
- 6 Connectivity
- 7 Visitor Economy
- 8 Vibrant Towns & Communities
- 9 Environment and Sustainability
- 10 Quality of Life
- 11 Delivering the Growth Strategy



Centre of Nuclear Excellence

What is CoNE:

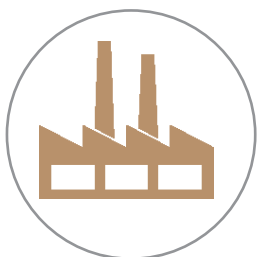
Cumbria is globally recognised as being a Centre of Nuclear Excellence (CoNE) thanks to its wealth of expertise in the nuclear sector. CoNE seeks to **bring together the wide range of nuclear related organisations and people in the locality to develop a centre of specialist skills, innovation and a place to do business**. Copeland plays a major role in CoNE and is a strong supporter of the initiative.

The offer:

Copeland has been the **global heartland of the nuclear industry for over 60 years**. The borough hosts two thirds of the UK's nuclear facilities, including Sellafield, and will be home to Europe's largest nuclear new build development project at Moorside. Supported by **leading research and testing facilities** such as the National Nuclear Laboratory, Dalton Nuclear Institute and the Low Level Waste Repository, Copeland provides a base for cutting edge companies at the forefront of their field – from some of the world's largest multi-nationals to specialist small and medium sized enterprises.

“ I am delighted that Copeland is a strong and committed supporter of the CoNE initiative. The region is home to renowned expertise covering all aspects of the nuclear fuel cycle including leading research establishments, universities, strategic sites of national importance, nationally recognised sector training provision, a vibrant supply chain and a workforce with an unrivalled breadth of experience and skills. CoNE has an exciting future ahead thanks to the prospect of Moorside power station, the replacement submarine fleet at Barrow and the decommissioning of the Sellafield site, which will create additional opportunities for the supply chain and support the delivery of the Council's growth aspirations. ”

Paul Howarth (Chair, CoNE and MD, UK National Nuclear Laboratory)



6,000
the number of jobs to be created
at Moorside



3.4GW
Potential capacity of the proposed
new nuclear station at Moorside



Copeland's Growth Priority:

As the nuclear industry embarks on a worldwide renaissance, Copeland will strengthen its position as the Centre of Nuclear Excellence, developing expertise and innovation. Copeland **will provide the full cycle of nuclear services**, from expertise in decommissioning and waste management through to securing nuclear new build. Copeland will also **support the diversification of the nuclear industry** through growing private sector investment in research and development, engineering and new technology.

Strategic Approach:

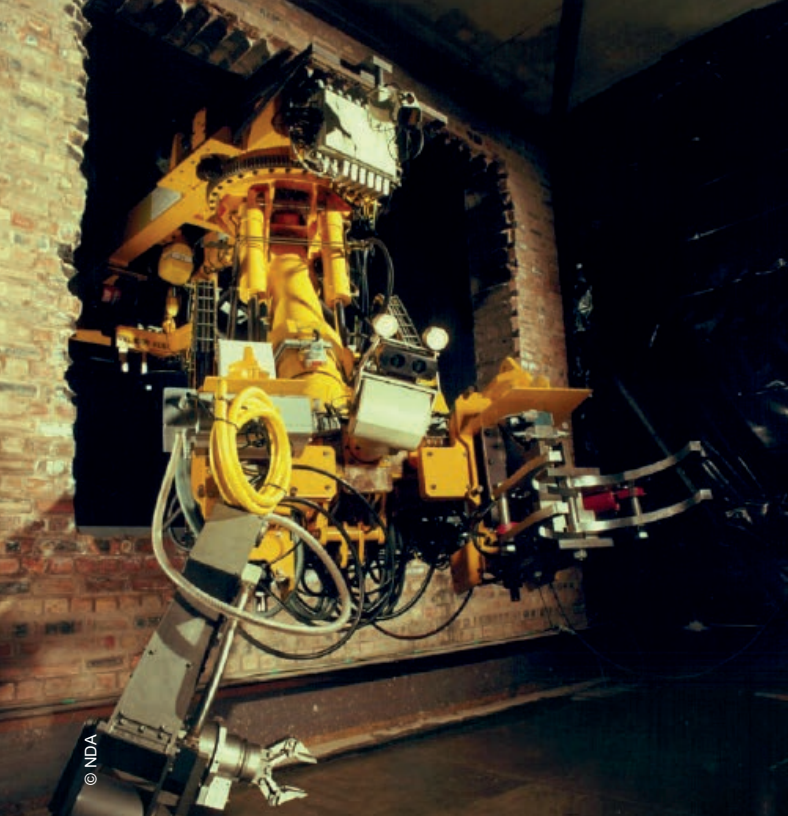
Our approach is focused on the **commercialisation of nuclear opportunities into new markets**; creating a test bed of new technology and engineering solutions. Copeland will continue to host those developing their role as expert advisers to the global nuclear industry, and using the safety and quality requirements of the nuclear industry provide solutions to other sectors, including oil and gas.

Opportunities:

- **Decommissioning** – supporting Sellafield and its supply chain to develop and deliver solutions for the long term decommissioning programme;
- **Waste management** – designing, developing and delivering the safe management of nuclear legacy waste;
- **Design and engineering** – developing new technology, robotics and engineering designed to operate in hazardous and remote locations;
- **Research and Development (R&D)** – working with nationally renowned partners including the National Nuclear Laboratory, the University of Manchester, University of Central Lancashire (UCLAN) and the local supply chain;
- **Global advisory role** – developing our position as expert advisor to the nuclear industry through existing contracts and Sellafield Ltd's role in providing technical expertise to the Fukushima clean-up operation;
- **New nuclear provision** – supporting new provision and small modular reactor development, including potential plutonium reuse.

“ Cumbria is a big county with big plans and Copeland hosts a major opportunity for us all to make the most of Cumbria's unique position as a world-leading centre of nuclear expertise. Cumbria LEP is focused on investing in our infrastructure and skills base to meet the needs presented by our future growth opportunities. This is a watershed moment for our economy, and by working together across public and private sectors, we can really focus on delivering the full potential of these growth areas. ”

George Beveridge (Chair, Cumbria LEP and Chief Business Officer, Sellafield Ltd)

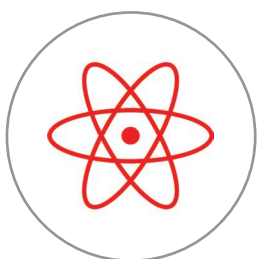


Case Study: Robotics at the National Nuclear Laboratory

The National Nuclear Laboratory (NNL) plays a key role in the UK and global nuclear industry, facilitating R&D in a range of specialist areas covering waste management and decommissioning, fuel cycles and reactor operations support. NNL is at the forefront of innovations in nuclear technology and has already brought significant added value to the industry through several unique inventions, which are helping to create a safer industry, reduce risk and address key market needs in the nuclear industry that have worldwide application.

- The **Radball** is a portable radiation detection device around the size of a grapefruit, which can identify radiation sources. The Radball has been used in both the UK and USA to develop nuclear waste management plans;
- The **RoMaNS** (Robotic Manipulation for Nuclear Sort and Segregation) project will develop unique technology, focusing on robotic arms, hands and sensing systems, to allow the sorting and segregation of legacy radioactive waste. RoMaNS is funded by the EU, SL and NNL, and is worth £1.378 million;
- NNL has developed a cutting edge visualisation system including the **Interactive Remote Operations Simulator** and the **Brokk Simulator**. The technology allows users to control remote deployable equipment, such as mobile robots and fixed manipulators by using either joysticks or signals from robot controllers. This system increases time efficiency, reduces machine downtime and improves safety and risk awareness;
- **LaserSnake** is a TSB (Technology Strategy Board) consortium project, which combines robots and lasers to create safe, cost efficient tools for high-hazard confined spaces. LaserSnake, funded by Innovate UK, DECC, SL, NDA, NNL, is worth £1.043 million and will be used to reduce contamination in redundant nuclear plant.

www.nnl.co.uk



50%

the proportion of Copeland jobs based in the nuclear industry



105 years

the remaining life span of the Sellafield site, which will be one of the biggest construction sites in Europe over the next 20 years



© Dalton Cumbria Institute

Case Study: Dalton Cumbrian Facility

Research is fundamental to the University of Manchester and it is committed to both the discovery of new knowledge and its application for social and economic value. The University's £20 million Dalton Cumbrian Facility (DCF), situated on the Westlakes Science and Technology Park, provides the UK focus for academic research in the area of radiation science. The offer at Dalton includes:

- **Extensive irradiation capabilities** incorporating a cobalt-60 gamma irradiator and two high energy ion beam accelerators. These combine to create the highest energy dual beam system in the world, **enabling unique world-leading research to be delivered in Copeland**;
- **Extensive material characterisation equipment**;
- **A new, local, base to deliver research-led Doctoral level studentships and post-graduate level professional education.** Investment was provided by the University and the Nuclear Decommissioning Authority (NDA) to seamlessly connect academic research to the extensive nuclear industry capability based in the area;
- **Strong links between the DCF and local universities** to share the benefits of fundamental scientific research. Government recently invested an additional £5 million into DCF as part of the National Nuclear User Facility (NNUF), creating a network of specialist high-end research facilities available to researchers from academia and industry.

The University of Manchester believes there is great potential to expand its capability in Cumbria and is now working with stakeholders from academia and industry to deliver a proposed major international centre for nuclear decommissioning innovation, designed to drive new technology-driven solutions into national and international programmes, and grow the highly skilled people the nuclear sector requires to underpin its long term future missions. This development will form a key part of the exciting plans to establish the Centre of Nuclear Excellence and ensure academia is well placed to fully contribute as a wholly integrated part of the nuclear community.

www.dalton.manchester.ac.uk/discover/daltoncumbrianfacility



6m

the number of homes to be powered by the proposed Moorside nuclear power station



£200m

the annual Sellafield Ltd supply chain spend in West Cumbria, £82m of which is invested in SMEs



Enterprise and Innovation

The Offer:

Copeland offers a **supportive environment for business innovation and enterprise, supported by world class facilities** such as the National Nuclear Laboratory, React, Westlakes Science Park and a number of UK universities.

Copeland's Growth Priority:

Knowledge based growth led by cutting edge research and IPR exploitation to foster SME growth and new business start-ups.

Strategic Approach:

Providing a supportive environment to existing and new businesses, in particular those in the knowledge based industry including **environmental technology, high value manufacturing, renewable energies and R&D.**

“ Together with Sellafield Ltd, the NDA and the supply chain, Copeland is powering Cumbria as a centre of nuclear excellence, which can drive economic growth across all sectors, raise aspirations and build a sustainable future. The urgency of high hazard reduction at Sellafield is allowing Cumbria to become the test bed for some of the most revolutionary nuclear innovations on the planet, developing unrivalled nuclear expertise and technology which can be used to tackle some of the most complicated decommissioning challenges in the world. ”

Paul Foster (Managing Director, Sellafield)

“ The technical challenges we face in progressing our work at Sellafield and elsewhere create great opportunities for businesses to develop new technologies and products that benefit both the nuclear industry and others. The industry works closely with academia and business to ensure we have a shared understanding of the challenge and support the development and application of new ideas.

Copeland is home to a growing number of SMEs who are providing high quality products and support to Sellafield; opportunities exist for more to follow and we are keen to support Copeland to create an environment for new business growth. With support schemes like Innovus in place, and examples of local businesses securing work internationally based on the expertise they have developed here, the signs are extremely encouraging. ”

Pete Lutwyche (Sellafield Programme Director, Nuclear Decommissioning Authority)



Opportunities:

- **Green innovation** – NNL houses the Vitrification Test Rig, supporting the waste reduction programme of Sellafield and making significant savings for UK taxpayers;
- **Support in research and innovation** – providing access to facilities, funding, support and expertise as demonstrated by the Innovus partnership between NNL and the University of Manchester;
- **Fostering business survival rates** – through the provision of incubation space, easy in-easy out accommodation, research facilities and laboratory space;
- **Growth in available floorspace** – recent additions to the provision of modern and flexible workspaces provide the opportunity for companies of all sizes to base themselves in Copeland;
- **Providing a range of high quality office and R&D accommodation** – meeting the needs of Copeland’s businesses, from town based serviced units for start-ups and satellites for multinationals, to bespoke headquarters and iconic new builds on our commercial estates and science park;
- **Supply chain diversity** – promoting the variety of opportunities associated with the nuclear supply chain, from manufacturing to construction, and education to professional services;
- **Knowledge clusters** – drawing upon high numbers of microbusinesses to provide knowledge clusters and provision of shared R&D facilities;
- **Medical research** – building upon the recent increase in research studies at North Cumbria University Hospitals NHS Trust and the opening of the £90m West Cumberland Hospital to support clinical R&D opportunities, particularly in nuclear medicine;
- **Exploring advanced manufacturing opportunities in Copeland** – Copeland Business Group and the Nuclear Advanced Manufacturing Research Centre (NAMRC) from the University of Sheffield are exploring the opportunity to locate and develop advanced manufacturing within Copeland. The combination of private sector industrial expertise with university innovations and improved manufacturing capabilities would deliver benefits to new build initiatives, decommissioning activity and other energy sector projects, whilst bringing new manufacturing jobs to the area.



Case study: Romar Innovate Ltd

Locating your business in Copeland has many advantages. Established in West Cumbria in 1987, Romar Innovate Limited is a family business, based in Whitehaven. With over 25 years' experience of working in the nuclear industry, the company specialises in the supply of Personal Protective Equipment (PPE) and workwear and currently holds the contract for the provision of PPE for the entire NDA Estate. Their products help to keep the workforce safe as they perform in difficult and potentially harmful conditions and all products are successfully distributed nationally from their Cumbrian base.

The technical and specialist experience which Romar has gained as a result of being located nearby Sellafield and through supplying the nuclear industry as a whole, has enabled them to win new business in other diverse industries. Romar have designed in-house, innovative decontamination products and they have been contracted to supply these to the MOD for over a decade. Recently, Romar have demonstrated their expertise has global application, when they successfully won a contract to design and supply products that assist with the vital protection of medical staff in Sierra Leone due to the outbreak of Ebola in 2015.

John Rowlands, Managing Director of Romar, confirms: *“Not only does being located next to Sellafield enhance your business opportunity, but the area is a place of outstanding beauty; a safe and scenic environment to work and live in. There are great opportunities when it comes to setting up your business in Copeland, with the added benefit of being able to enjoy the beautiful environment within which it is situated.”*

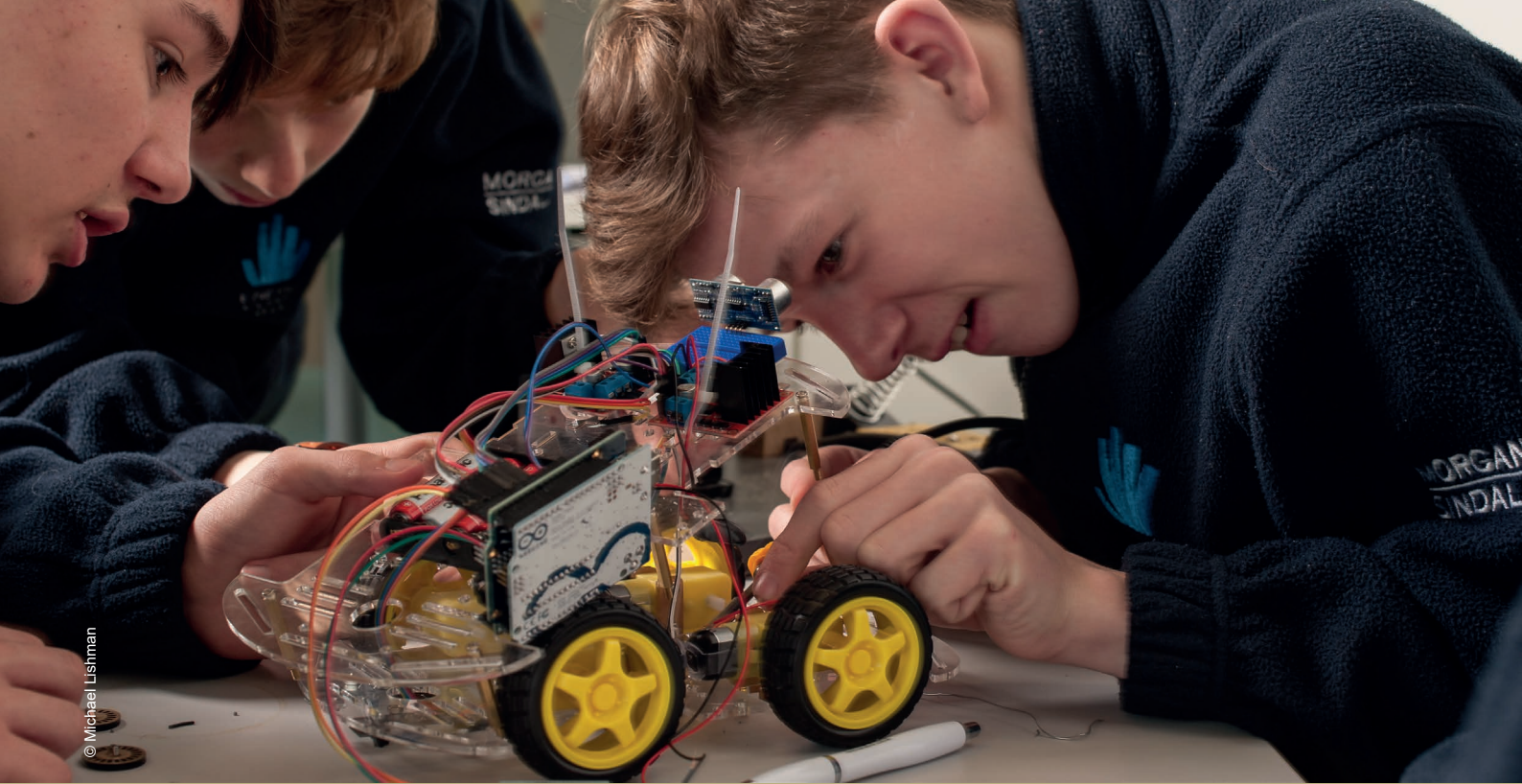
www.romarinnovate.com



32%
the proportion of Copeland businesses defined as 'knowledge based enterprises', compared to 21% in the UK



60
the number of medical studies undertaken by North Cumbria University Hospitals NHS Trust in 2014-15



© Michael Lishman

Case study: Innovus

Innovus is Cumbria's successful technology commercialisation programme which is helping enterprises with fewer than 250 employees to grow their businesses by developing and selling their innovative solutions to solve industry challenges. Run by NNL and the University of Manchester through its Dalton Nuclear Institute, the programme is transforming the culture of research and development in Cumbria's technology sector, inspiring its clients to continually seek out the next innovation that will be the future of their business.

Innovus recently funded an innovative water treatment solution to prevent another Lancashire drinking water crisis. Innovus provided a research and development grant to Typhon Treatment Systems, who developed a patent-pending ultra-violet LED technology which maximises pathogen kill and can remove pesticides and chemical contaminants, all whilst reducing electrical power consumption by 90% over traditional ultra-violet water disinfection methods.

"Innovus always looks for ambitious projects which have the potential to change the world for the better, and with the innovative product being developed by Matt and the team at Typhon Treatment Systems I believe we have just that – a product, developed by a Cumbrian new start business that has the potential to make a significant impact in a global industry."

The unique and cost effective solution Typhon have come up with is a technology that has the potential to be the core standard for water treatment worldwide. A true innovation with the potential to change the world, developed here in Cumbria."

Adrian Davis-Johnston (Programme Director, Innovus)

www.innovus.org.uk



18.1%
growth in VAT registered businesses in Copeland compared to a UK average of 7.1%



£1m
annual funding available from NNL's research and development programme to develop products and services to benefit the global nuclear industry



Workforce, Skills and Education

The Offer:

Copeland benefits from **a unique range of skills that are supplemented by high quality research facilities, apprenticeships and PhDs.**

Copeland's Growth Priority:

Enabling local people to access to a **broad range of personal and professional development opportunities** in sectors that are directly underpinning local growth, CoNE and the wider UK economy. Targeting skills and training provision to meet the wide range of employment opportunities in Copeland.

Strategic Approach:

Focusing on a range of schemes with local employers, trainers and third sector organisations to help people access work, skills training and education. Our approach is to **support people beginning and furthering their careers**, creating opportunities for those who may not have been able to access them before.

Opportunities:

- **Recognising the longevity of Copeland's diversifying nuclear industry** – including decommissioning, construction, operations, supply chain development, plus ancillary and support services;
- **Matching local people to jobs** – through schemes such as West Cumbria Works, matching job seekers to suitable current vacancies and overcoming any barriers to applying for these positions;
- **Tailored skills programmes to meet sector requirements and enable local people to secure employment** – as demonstrated by the Copeland Work & Skills Partnership;
- **Promoting the diversity of employment opportunities** – particularly to school leavers to improve retention rates in the area;
- **Supporting growth in our social infrastructure** – including opportunities in education, health, professional services and voluntary/community sectors.



21%
the proportion of Copeland residents
educated to at least NVQ Level 4



80.8%
the proportion of Copeland
residents who work in the Borough



Case study: West Cumberland Medical Education Centre - A new era of healthcare and medical education

A new research, teaching and medical education campus, to be led by senior clinical academics with a background in acute medicine and primary care, is being developed in West Cumbria. The West Cumberland Medical Education Centre (WCMEC), is an innovative collaboration between North Cumbria University Hospitals NHS Trust, UCLan, NHS Cumbria Clinical Commissioning Group and the Samuel Lindow Foundation.

WCMEC will combine academic facilities at UCLan's Westlakes campus and neighbouring clinical facilities at the new West Cumberland Hospital in Whitehaven – joining up the sites physically to create easy access between the two.

The new campus will provide unique opportunities to deliver innovative improvements in remote and rural healthcare and develop new integrated models of care for the local area. It will provide a bespoke, local facility to train West Cumbria's clinical workforce, train and develop leading-edge doctors, medical students and physician associates and, in years to come, offer courses at undergraduate, postgraduate and continuing professional development levels.

www.uclan.ac.uk/schools/medicine/west-cumberland-medical-education-centre.php



800
the total intake of graduates,
apprentices and trainees at Sellafield
Ltd since 2010



21,000
the number of construction and operation
jobs to be created by the proposed
Moorside power station

Engineering

The Offer:

Copeland has a strong historic foundation in traditional industrial sectors and has now evolved into a **centre of excellence for nuclear engineering including associated skills** such as design and construction, decommissioning, remediation, waste management, recycling, manufacturing and safety.

Copeland's Growth Priority:

To continue the **ongoing adaption from traditional mining industries to world class engineering sectors to provide sustainable economic growth.**

Strategic Approach:

Developing a strong and diverse engineering sector that capitalises on the area's traditional engineering strengths with **a suitably skilled labour force, investment in connectivity links and improved access to markets.** Expanding the manufacturing base in high value specialisms such as marine, sub-sea, defence, advanced materials and advanced engineering.

Opportunities:

- **Land supply** – the decline in traditional industries in the area has provided a ready supply of available brownfield sites suitable for modern engineering;
- **Diversification and innovation** – building upon the high skills levels in Copeland to explore new engineering sectors associated with the energy industry;
- **Natural assets** – exploring Copeland's resources to develop opportunities in marine engineering and renewable energy sources;
- **Education** – developing an extensive local pool of students, apprentices and graduates to establish Copeland's reputation as the ideal place for high quality employment opportunities across all engineering sectors.



10,000
the number of people employed at Sellafield Ltd, accounting for 33% of all Copeland's employment



3,200
the number of professionals in West Cumbria employed in science, research, engineering and technology



© Tim Griffith

Case study: Sellafield Ltd

Sellafield recently moved a step closer in the clean-up of one of the UK’s most hazardous buildings after taking delivery of a key piece of decommissioning kit – a 50 tonne ‘transfer tunnel’ – the main component of the first Silo Emptying Plant (SEP) and one of three massive 360-tonne machines, which will scoop out the highly radioactive contents of the building as part of its decommissioning. Installing such a large and weighty piece of kit into a 50-year-old building containing some of the most hazardous material stored anywhere in the UK is a huge logistical challenge. The start of waste retrievals at the silo will mark the beginning of approximately two decades of work, with the final material expected to leave the building in about 2038.

Chris Halliwell, head of the Magnox Swarf Storage Silo programme for Sellafield Ltd, said: *“This is a big moment for us all. This is one of the nuclear industry’s most complicated engineering challenges being addressed before our very eyes. This is cutting edge technology at the world’s most complicated nuclear site.”*

www.sellafieldsites.com

“ We have started and built a number of technology companies here in Copeland. We trade locally and globally. Sellafield on our doorstep is a great proving ground full of technical challenges but our people have applied their skills and diversified to offshore renewables, defence, rail and even sports performance! And after work you can enjoy the sea, lakes and mountains - all within 20 minutes of each other - it really is a rather special place. ”

Pete Woolaghan (Director, REACT Engineering)

“ Safety Critical is a national multiple award-winning specialist engineering company that focuses on people and asset protection in highly regulated industries. We are part of a business community in Copeland that benefits from working within a cluster of like-minded individuals that have started up their own companies from scratch and are passionate about business growth in our communities and how we do this. ”

Kurt Canfield (MD, Safety Critical)



300

the number of engineers and scientists employed at the BNFL Technology Centre at Sellafield



£20m

the value of the Dalton Cumbrian Facility, a leading centre for higher learning in nuclear science and engineering based at Westlakes Science Park

Energy Coast

The Offer:

Copeland is the **Heart of the Energy Coast**; a welcoming and established test location for development and provision of low carbon energy to the UK, offering connected and cohesive energy provision.

Copeland's Growth Priority:

A growing and strong local economy based on the **provision of viable, sustainable energy to the UK and local area**, through the development of new skills, technology, site and grid connections.

Strategic Approach:

To **maximise the potential of Copeland's natural resources** to deliver sustainable technologies and renewable energy, while encouraging practical benefit to our communities through reduced energy bills and return for future investment.

Opportunities:

- **New renewable technology and component development** – development of new sectors such as geothermal and marine renewable energy creating a national test-bed for prototypes components to support large scale energy developments;
- **District heating** – introducing district heat networks and smart grids to reduce energy costs and de-risk inward investment opportunities;
- **Microgeneration** – supporting domestic and business use of renewables;
- **Offshore opportunities** – servicing offshore developments from Whitehaven Harbour and the Port of Millom;
- **Improving business energy efficiency and awareness** – through initiatives such as energy testing and business support.



750MW

Potential capacity of Walney offshore wind farm following a recently consented expansion



100 years

Potential lifetime of the proposed new tidal lagoon near Workington



© Giles Rocholl

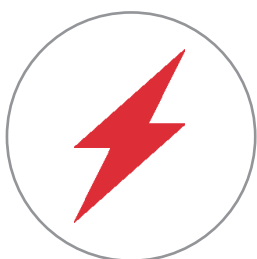
Case Study: National Grid North West Coast Connections

The North West Coast Connections (NWCC) aims to connect the electricity that will be generated by new energy projects being built in Cumbria and Lancashire to homes and businesses. At Moorside, this will require a high voltage connection to the existing national electricity transmission network, however the closest places on the current network where these circuits can connect are over 50km away from the site. An options consultation has been undertaken on proposed corridor routes and local sensitivities, resulting in the identification of the preferred route which will be made up of two parts – a route going north from Moorside to a point on the existing grid network at Harker substation, near Carlisle and a route going south from Moorside across the Furness peninsula then under Morecambe Bay to connect in at a point on the existing grid network at Middleton substation near Heysham in Lancashire. Further work is now being carried out to identify the specific location where the connection will run and the associated works required to achieve this. The development of this new high voltage connection will greatly increase Copeland’s energy capacity, enabling the efficient export of electricity from both Moorside and other new energy projects in the North West.

www.northwestcoastconnections.com

“ Our Moorside project in West Cumbria will be the engine of the Northern Powerhouse. We are planning to build Europe’s largest new nuclear power station in the area which will be crucial to the UK’s future clean energy aspirations and our nation’s security of supply. Moorside can be the catalyst for manufacturing and supply chain opportunities for companies in Cumbria, and throughout the North West. We are delighted to be taking forward our project in the UK’s nuclear heartland – in West Cumbria – and look forward to helping with creating a prosperous and sustainable economic future for the region. ”

Tom Samson (CEO, NuGen)



7,000
the number of jobs which could be created in Cumbria by 2050 through a mix of wind, hydro, tidal, solar, geothermal and biomass energy with a combined capacity of 5.5GW



90 tonnes
the annual carbon reduction achieved with the installation of energy efficient equipment in local businesses through the Copeland Low Carbon Business Grant



Connectivity

The Offer:

At the heart of CoNE, internationally connected through rail, road, ports, energy and ICT, Copeland combines access to markets with digital infrastructure to enable high tech businesses to operate efficiently.

Copeland's Growth Priority:

To develop and enhance the **physical and digital connectivity to support growth** and to maximise supply chain investment, employment and SME growth. To ensure our infrastructure encourages **sustainable connectivity** both to and within Copeland.

Strategic Approach:

To ensure that planned connectivity improvements provide a **platform for growth and investment in new markets**. Providing businesses, residents and visitors with quick and easy connections to Copeland through **integrated transport modes**.

Opportunities:

- **Rail and road enhancements** – providing a sustainable transport infrastructure to underpin construction and operation of nuclear missions, while enhancing local connectivity;
- **Port and marina developments** – capitalising on Copeland's strategic position on the UK coastline to support fishing fleets, commercial craft and leisure boats;
- **Developing a hi-tech highway** – upgrading the A595 linking Lillyhall, Westlakes, Sellafield and Barrow together to support the growth of our world class high technology industries and encourage job creation;
- **Improving digital efficiency** – through the provision of fibre optic broadband, the 2,500 businesses in Copeland can explore opportunities in remote working, videoconferencing, cloud computing, new markets and social media.



£30m
confirmed government funding for improvements to rail stations in Cumbria, alongside multi million pound improvements to services including free wifi on all trains and direct connections to Manchester Airport



16%
growth forecast for Cumbria's logistics sector over the next 10 years



Case Study: Cumbria Infrastructure Priorities

Cumbria Local Enterprise Partnership (LEP) launched its 'Four Pronged Attack' in 2014 on how the County's economy can deliver jobs, business growth, improved skills, new infrastructure, housing and a range of other economic benefits over the next 10 years.

The LEP is currently focusing on the infrastructure investment required to support growth across the full range of our strategic networks, including broadband, rail, road, cycleways and public transport to improve connectivity within and to Cumbria. Housing is also recognised as a key economic driver, both in terms of the jobs it supports and to the economy as a whole. Providing new housing is essential to support economic growth, with an estimated 30,000 new homes required by 2025 across the county.

The LEP is currently looking at investment into the following key priorities:

- West of M6 Strategic Connectivity
- Cumbrian Coastline Railway Enhancements
- A595 Corridor Enhancements
- Ports of Barrow and Workington Enhancements
- Carlisle Airport Enhancements

www.cumbrialep.co.uk



47%
the increase in the number of boat berths at Whitehaven Marina following a £1.2m investment to bring the total number to 420 places



£1.2m
Gross Value Added to Cumbrian SMEs during 2014 as a result of access to superfast fibre optic broadband



Visitor Economy

The Offer:

Copeland is a **world class destination** with an unparalleled combination of lakes, sea, landscape and culture, offering outdoor adventure, fine dining, real ales and a rich Lakeland heritage.

Copeland's Growth Priority:

Sustainable and appropriate development of an already amazing place to visit and live. Focusing on the provision of **high quality facilities for both residents and visitors to create a prime location to do business and enjoy leisure time.**

Strategic Approach:

Capitalise on Copeland's natural resources to provide attractions which are unique to this area: the Cumbrian coast, adventure sports (Adventure Capital), the Lake District National Park, heritage assets, arts and culture, major events, and local food and drink.

Opportunities:

- **A range of high quality visitor accommodation options** – to accompany the visitor attractions, including conferencing and corporate facilities;
- **Easy and sustainable access to the National Park** – which has been nominated for World Heritage status;
- **Growth in new and developing markets** – such as adventure sports and food tourism;
- **Maximising outdoor recreation opportunities** – supporting sustainable use of the natural environment for activities such as water-skiing, surfing, climbing, walking, kite surfing, trekking, orienteering, fell running, sailing, canoeing, kayaking and dragon boating.



1,657
the number of FTE employees in the
tourist industry in Cumbria



100,000
annual number of visitors using the
Coast to Coast cycleway, which starts
in Whitehaven



Case study: Ravenglass and Muncaster Castle

Ravenglass, once a naval base for the Romans, is today a quiet coastal village; but its Roman history and fantastic tourist attractions make it one of the region's visitor hotspots.

Muncaster Castle, on the outskirts of the village, has been continuously occupied since 1208 by the Pennington family. The castle, probably built on Roman foundations, is set in 77 acres of woodland gardens and enjoys breath-taking views overlooking the River Esk and the Lakeland Fells. The castle, reputedly haunted, houses extensive historic collections and family memorabilia, whilst the gardens are home to a Hawk and Owl Centre. Conservation of both its heritage and wildlife is core to Muncaster, reflected in its varied programme of activities and events, from heritage tours, hawk walks and spooky activities throughout Halloween. www.muncaster.co.uk

The Ravenglass and Eskdale Railway, known locally as La'al Ratty, runs from Ravenglass to Dalegarth Station. The journey, one of England's most beautiful heritage railway journeys, passing through spectacular coastal and national park scenery to the foot of the Scafell mountain range, was one of fell-walker Wainwright's favourites. In 2015 the railway celebrated its 100th anniversary with the reopening of the renovated Ravenglass Railway Museum. The redevelopment has encouraged new ways of learning about the village's engineering history. Further expansion of the museum is planned in the near future.

www.ravenglass-railway.co.uk and www.muncaster.co.uk

“Cumbria is a truly inspirational place and Copeland, where the mountains meet the sea, is no exception. You can walk in the footsteps of Romans, visit ancient castles and discover a rich maritime and mining history. With tales of smugglers and slaves and ancient shepherd's yarns all leaving their mark on its stunning natural environment, Copeland holds a fascination for us all. The local pioneering spirit is reflected throughout our rich history – as the birthplace of British climbing – adventure is always on offer in the Western Lakes.”

Eric Robson (Chairman, Cumbria Tourism)



978 metres

Copeland is home to Scafell Pike, the highest mountain in England and Wastwater, the deepest lake (79m) and Britain's best view



16.4 million

the annual number of visitors to the Lake District





Vibrant Towns and Communities

The Offer:

Copeland's market towns have developed around a **unique cultural and heritage offer** which acts as a major draw to both visitors and local residents.

Copeland's Growth Priority:

To secure a **sustainable and viable future for Copeland's four key towns and rural service centres**. The priority is to ensure a high quality built environment and a range of cultural opportunities that meets the needs of current and future residents and businesses.

Strategic Approach:

To develop the culture and heritage in the area by **enhancing the historic assets and range of services in the towns and rural service centres**. To highlight the unique location both as a business base and a gateway to the natural outstanding beauty of the Western Lakes.

Opportunities:

- Promote unique assets across the towns and rural service centres;
- Business premises and office developments;
- Improve access to the National Park and nature reserves;
- Promote use of cycleways for commuting and leisure;
- Develop the event industry;
- Combine public realm improvements with heritage conservation;
- Promote sporting variety;
- Range of leisure and housing.



Whitehaven

- Prime example of a Georgian town, listed as one of the 40 Gem Towns in England
- Heart of Britain's Energy Coast
- Prime CoNE office location
- One of the UK's top 15 coastal towns as reported by The Telegraph
- Host to numerous festivals covering film, music, food, home and garden
- Recent £1.2m marina redevelopment has provided new berths and office accommodation
- Start of the 225km long Coast to Coast (C2C) Cycleway
- Home to 3 museums, a vintage cinema and Rosehill theatre
- Historic centre of the country's rum trade, now commemorated at the Rum Story Museum



Cleator Moor

- Hub for nuclear safety supply chain
- Former mining heritage celebrated by Conrad Atkinson's sculptures in Market Square
- Focus of a series of paintings by LS Lowry
- Part of the West Cumbria Cycle Network and C2C
- Sporting heritage-From fell running and archery to rugby, cricket and football, local sportsmen have gone on to compete at the Olympics and play for England
- Adjacent to the Lake District National Park and 5 miles from Ennerdale



© CBC

Egremont

- Medieval town with attractive market place and market hall built in 1883
- Supply chain location with Test Riggs and Engineering sectors
- Home to the extensive ruins of the Norman Egremont Castle overlooking the River Ehen
- Arts and culture provision at Lowes Court Gallery and Florence Mine
- Host to internationally renowned Crab Fair which celebrated its 750th anniversary in 2016
- Less than 3 miles from St Bees and the start of the Wainwright Coast to Coast walk
- Only 1 mile from Clintz Quarry Nature Reserve and bird sanctuary



© Brian Sherwen

Millom

- Business and training premises at Millom Network Centre and Devonshire Road
- Coastal town with a beach, castle and folk museum
- Former home of poet Norman Nicholson
- Home to RSPB Hodbarrow Nature Reserve
- Arts and culture provision through Beggar's Theatre and Millom Palladium
- Home to the UK's only specialised heavy horse riding establishment

Environment and Sustainability

The Offer:

Copeland offers a unique and **highly valued natural environment** that provides a major tourist attraction and a superior quality of life for residents.

Copeland's Growth Priority:

Building Copeland's **resilience to the effects of climate change** through effective coastal and flood management. Maximising the opportunities that the natural environment offers to **encourage a healthy and vibrant lifestyle for residents and visitors**.

Strategic Approach:

To support sustainable development which recognises the need to **protect and enhance the character and distinctiveness of the natural environment**. Moving towards a low carbon economy across the borough which will encourage the long term protection of our natural assets.

Opportunities:

- **Partnership working** – local businesses have the opportunity to sign up to Cumbria County Council's Climate Change Commitment with other private, public and third sector organisations to collectively work towards reducing the region's carbon emissions;
- **Low carbon planning framework** – Copeland's Local Plan requires high standards of sustainability and supports the retrofitting of existing properties with low carbon initiatives;
- **Eco-tourism and responsible tourism** – Copeland's Local Plan supports the development of appropriate tourism schemes which are sustainable and accessible;
- **Sustainable agricultural growth and diversification** – recognising the importance of the agricultural sector and the opportunities for expansion into new farming enterprises and rural businesses.



66%
the proportion of Copeland situated
within the Lake District National Park



60
the number of locally designated
biodiversity sites in Copeland, along
with 15 nationally designated SSSIs and
6 European designated sites



©Brian Shenwen

Case study: Gillerthwaite Field Centre

Gillerthwaite in the Ennerdale valley was established as a Field Study Centre in 1968, and since then has operated as an environmentally friendly destination for schools, groups and other visitors. Because Gillerthwaite doesn't have the luxury of mains gas or electricity, Gillerthwaite's staff and visitors have had to be resourceful. In 2011 with the help of its Trustees, the Centre managed to secure grants to install a hydroelectric turbine replacing their diesel generator and reducing their dependency on oil and LPG gas.

www.lgfc.org.uk



27km
the length of the Cumbria Coast Marine Conservation Zone, stretching from St Bees Head to the Ravenglass Estuary



59%
the proportion of visitors to the Lake District National Park who visit for 'the physical scenery and landscape of the area'

Quality of Life

The Offer:

Recognised in 2015 **as the happiest place to live in the UK**, Copeland offers affordable living, historic market towns and stunning scenery including the Lake District National Park.

Copeland's Growth Priority:

To provide **a lifestyle of choice for residents**, offering great schools, low crime, quality housing, unspoilt nature on the doorstep, community spirit and good neighbours. **The ideal place to live.**

Strategic Approach:

Supporting a **community-led approach** through our localities to enable people to maintain and develop the areas in which they live. To encourage **vibrant, empowered and engaged communities**.

Opportunities:

- **Engaging school children** – developing educational links with the local environment and heritage. For example, the Beacon Museum provides activity sessions, museum visits, town trails and free school assemblies;
- **Engaging young adults** – developing a range of exciting opportunities including youth clubs and activities such as the Whitehaven Harbour Youth Project;
- **Improving physical activity** – promoting Copeland's wide range of sporting opportunities to encourage a healthy lifestyle and community cohesion;
- **Providing a high quality mix of housing** – sustainable and appropriate to the existing settlement patterns;
- **Continued investment in new and improved community infrastructure** – such as the £33m education campus in Whitehaven and the combined £7.2m on new health and fitness facilities at Cleator Moor Health Centre and Whitehaven pool complex;
- **Encouraging community participation** – through neighbourhood planning such as the Bootle 2020 Community Plan, and through funding incentives such as the Copeland Community Fund.



50
crime rate per 1,000
population in Copeland in
2015, compared to a national
average of 74



24.3
average class size in Copeland
primary schools, compared to
26.8 nationally



© Richard Elder

Case Study: Rosehill Theatre

Rosehill is a local theatre of national significance based in West Cumbria. It has a crucial, and growing, role to play in using creative and performing arts of the highest quality to help improve the wellbeing of its surrounding communities and make West Cumbria an attractive place to live, work and visit. The theatre was founded in 1959 and has hosted many great names including Peggy Ashcroft, John Gielgud, Benjamin Britten and even a fledgling David Bowie!

Rosehill is currently undergoing a major redevelopment to include the restoration of the original Rosehill auditorium, a new 60 seat restaurant and great improvements to the facilities for customers, audiences and performers. The proposals are set to create a total of thirteen new jobs, safeguarding others, and eight apprenticeships and have benefited from contributions from seven key project funders including Britain's Energy Coast and Copeland Community Fund.

Recent improvements to the theatre facilities and accessibility as a result of grants from the Copeland Community Fund have already led to increased artistic programming, growing audiences, more work with young people and the wider community, and the provision of free workshops for local schools and organisations.

Significant projects in progress include:

- A new partnership with Lakes College and its catering school to run the theatre's new restaurant;
- Further development of the Taking Part programme which introduces children and young people to the arts through theatre, film, arts and crafts activities;
- Expansion of the mobile theatre initiative Rosehill on the Road, which takes performing arts activities into community and village halls, colleges, schools and historic houses.

Funding from the Investment and Contract Readiness Fund is being used to focus on social investment and the potential formation of a community enterprise which could be the centre point of a second phase in the building redevelopment to follow.

www.rosehilltheatre.co.uk/



1st
national ranking of West
Lakes Academy's English
department, the best in
the country in 2015



£10.9m
total community benefit funding
invested by the Copeland Community
Fund from 2010 to 2015, in turn
bringing an additional £24 million of
match funding into the area



Delivering the Growth Strategy

Copeland's historic economic development has been founded on the principle of strong partnership working to promote investment and growth. As Copeland embarks on a new chapter of growth in new markets and sectors, the principle of collaborative working will continue. This will ensure growth is balanced and quality maintained, leaving a positive legacy that will not only sustain the local economy and incomparable quality of life, but more importantly improve it, creating more opportunities and social equity.

Our strategic approach to delivery:

- The continued development of a Public-Private Partnership model towards supporting investment into the area and creating the conditions for growth;
- Contributing to strategic opportunities, such as the Northern Powerhouse, through joint working between Cumbria Local Enterprise Partnership, Centre of Nuclear Excellence partners, Britain's Energy Coast, and public sector partners;
- Continued collaboration with industry partners and their wider supply chain, whether working with national public agencies or local SMEs and education providers;
- Using current opportunities to plan for and fund future growth;
- Agile delivery focusing on increasing mutual benefits and reducing risk.



© Giles Rocholl Photography

Partners can offer:

Site Acquisition

Borrowing **Asset Management**

Capital Finance Head Lease

Infrastructure

Guarantor **Accountable Body**

Planning Funding including LEP Growth Deal

Place Making

Access to Government **Capacity Planning**

Masterplanning Access to Industry

Project Development

Transport **JV/LABV opportunities**



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