

THE SKILLS TO SUCCEED LINCOLNSHIRE INSTITUTE
OF TECHNOLOGY 2023 - 2024

For further information about LIoT and our partners please visit www.liot.ac.uk

LINCOLNSHIRE

I N S T I T U T E OF

T E C H N O L O G Y

Technical. Skills. Work.

#LIoT

#LincolnshireInstituteOfTechnology

INSTITUTES OF TECHNOLOGY

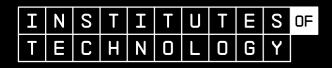
ocated across England, Institutes of Technology (IoTs) provide education and training in STEM (Science, Technology, Engineering and Maths) based occupations to meet the needs of employers – regionally and nationally.

With courses designed and delivered with employers, and backed by £290 million government investment, each Institute of Technology (IoT) offers real-world learning experiences using industry-standard equipment to better prepare learners for the complexities of today's workplace.

There are 12 IoTs currently in operation, with an additional nine in development that are expected to start delivery from 2023/24.

Institutes of Technology represent the height of technical training. By uniquely bringing together further education colleges, universities and businesses, they ensure people can get the skills they need to progress into higher-skill, higherwage jobs, and that employers get the talented workforce they need to thrive.

MINISTER FOR HIGHER AND FURTHER EDUCATION

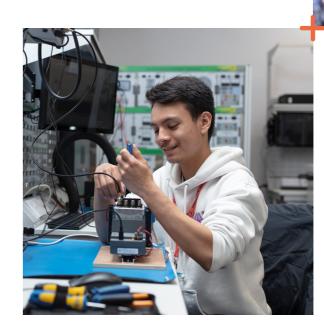


Technical. Skills. Work. institutesoftechnology.org.uk

LINCOLNSHIRE INSTITUTE OF TECHNOLOGY (LIoT)

t Lincolnshire Institute of Technology, our partnership is built on high-quality education provision and strong employer relationships. We develop and deliver training and qualifications that meet regional needs, offering higher-level technical programmes, apprenticeships and bespoke training to prepare young people for work, adults to re-enter the labour market, and employers to upskill staff.

We are committed to developing the talent and skills in the region to support change within industries and to help develop a dynamic, technology-driven economy.



LINCOLNSHIRE

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LIoT **PARTNERS**



IoT partners work collaboratively, sharing our skills and expertise to ensure that each partner is well placed to deliver the skills, knowledge, training and education that meets regional needs.

Our provision is employer led; which means that our offer meets local employers' needs and is focused on meeting current and future needs. All partners work with a large employer base as well as other key stakeholders who influence our offer. Employers work with us to design and develop provision - that could be for programmes for their own organisation or to ensure that our open courses meet broader sector needs.

LIoT consists of key higher and further education partners from the region and core employers who support LIoT directly.

LIoT **PARTNERS**

- National Centre for Food Manufacturing, University
- University Campus North Lincolnshire and North Lindsey College (DN Colleges Group)
- Grimsby College and University Centre Grimsby (TEC Partnership)
- Lincoln College/Lincoln College **University Centre**
- Boston College
- Grantham College and University Centre
- Riseholme College
- Lincoln UTC

SPECIALISMS

- Digital Technologies
- including Agritech
- Motor Vehicle

- Manufacturing & Engineering
- Science
- Construction

LIoT **OFFER**

- oTs are focused on higher level education, particularly at Level 4 and 5 which includes:
- Higher National Certificates/Diplomas (HNC/D)
- Higher Technical Qualifications (HTQs)
- Foundation Degrees (Fds)
- Industry qualifications
- Units of qualifications
- Bespoke training short impactful provision
- Non-accredited courses, for example, a one-day course

We also have provision at Level 3 (College) and Level 6 (degree) as development and progression opportunities.

If a course you are interested in is not listed then still contact your local provider. Our provision is updated and added to during the year in response to local demand and many of our short courses in particular are available flexibly throughout the year.

If you are not sure what you are interested in or course titles may not provide you with all the information you need, then again just contact a local LIoT partner and ask for their support.



My Apprenticeship allows for me to achieve a higher qualification and gain valuable experience for future employment opportunities as it allows for a greater understanding of work and having a record of previous employment.

JAMES SEWELL, HNC ENGINEERING APPRENTICE AT GRANTHAM COLLEGE UNIVERSITY CENTRE

EMPLOYER PARTNERS

IoT works with over 3000 employers across the sectors, including micro businesses through to multinational organisations. It is critical to our success that our training and education is current, flexible, relevant and focused on the key skills and knowledge Lincolnshire needs.

We welcome engagement with employers and our relationships with employers underpin what we offer. Employers' relationships with us vary from simply booking places on courses through to developing a deeper partnership; which helps influence and shape our provision.

Employers can get involved but at a level that suits the time, commitment and requirements you have. This may include:

- Joining our employer groups
- Attending our events
- Working with LIoT partners to identify potential recruits including apprentices
- Offering work placements for students this can be flexible to ensure it adds value for both the employer and student
- Working with your local provider/s to influence and design our offer
- Delivering guest lectures, practical workshop skills, employer or sector-based talks, site visits, employability support such as mock interviews to our students
- Offering projects that students could carry out support your organisation by delivering a project and also support development of students' skills and knowledge

LIoT core employers:





Provision is aimed at ensuring we meet employers local needs:

- Upskilling, reskilling or multiskilling local employers managers and staff, particularly technical teams
- Education and training to support progression in the workplace
- Qualifying staff to meet industry requirements

Bakkavor has collaborated with the University of Lincoln's National Centre for Food Manufacturing (NCFM), a partner within Lincolnshire Institute of Technology, for over 20 years.

One of the best things about the NCFM team is their ability to work with any learner from any background and help them to achieve brilliant results. The Institute of Technology's approach to curriculum design shows how passionate they are about helping people realise their potential and has demonstrated a positive impact on so many people at Bakkavor. The team care so much, and that is why we have collaborated with them and will continue to do so.

CATHY HOUGH, GROUP CAREERS MANAGER, BAKKAVOR

We are a unique regional partnership, offering a one-stop shop for employers to access education and training in key regional sectors. With a strong track record of working with organisations of all sizes – from multinational companies to local SMEs, our industry-experienced professionals can help you to upskill existing staff or provide you access to a new talent pool that has the skills you need. By contacting us, we ensure 'one door' gives access to the expertise across our partnership. Don't spend time searching - contact us to find out more.

LIOT'S OFFER FOR INDIVIDUALS

For individuals we offer education and training:

- To help individuals secure employment
- To help people re-enter the workplace by achieving industry recognised training and qualifications
- To support progression in the workplace
- To retrain and requalify for a different career

Students are usually juggling home life and/or work life with their education so it is important that partners can offer flexible provision wherever possible to meet your needs. Ask us about how our courses are delivered – times, days, online versus coming in to study – and you may be surprised how flexible it can be.

Some potential students may be confident about taking that next step, but we also understand that you may need reassurance and support and that is not unusual. Our staff are used to working with people who may feel unsure and our role is to help you settle in, get used to learning again and providing support if you need it.

At LIoT you can benefit from:

- Close links with employers, creating recruitment and progression opportunities in the STEM sector
- Better career prospects and earning potential
- Learning the specialist skills needed by employers in your region now and in the future
- Learning from our staff who have extensive industry experience for relevant and applicable knowledge and skills for the workplace
- Flexible full-time and part-time course options to suit your work and life commitments
- Affordable courses to help you achieve the qualifications you are aiming for
- A portfolio of courses delivered at different sites around Lincolnshire and online for ease of access

Dean joined Baker Perkins in 2018 having already completed a Level 2 Intermediate Apprenticeship, and in the intervening years has achieved Level 3 and 4 qualifications respectively plus completed the first year of a Degree Apprenticeship in Integrated Engineering from Lincoln University.



My work/life/study balance is still challenging at times, but I wouldn't have done anything differently and encourage everyone to think about an apprenticeship. Based on my experiences, it's the best way to learn because it brings different methods together. You sit in lectures learning by traditional watching and listening techniques, and the other side of the course then brings in the real-world experience and practical method of learning; applying the theoretical skills whilst being surround by experienced engineers and lecturers who are wanting to impart as much information as possible. For me it's this support system that makes apprenticeships so successful. This is only if you're willing to put the time in and push the boundaries of the knowledge that you've been taught.

DEAN GOSLING, HIGHER LEVEL ENGINEERING APPRENTICE, GRANTHAM COLLEGE

FLEXIBILITY

For many of our qualifications, we also offer individual units in isolation. You may not require the full qualification but specific content or units would meet your needs, so just contact the relevant LIoT partner to discuss this further.

Many of our employers and students are subject to demands that mean flexibility is critical to access learning. Shift work, employment, caring for family members, can all impact on individuals being able to attend and employers being able to release them. Wherever possible we try to be flexible offering full-time and part-time options and looking for opportunities including online learning to improve access.

■ LIoT COURSE LISTING

Although several providers may offer the same qualification, please note they may offer different subject areas. There will usually be mandatory subjects but also usually optional topics which the provider can choose to deliver.

At Level 4/5 there are often options to study for individual units or to access the learning and development without the certification, particularly where it is very specific skills and knowledge required rather than a broad qualification. Just ask your local provider and they can discuss the options available.

LIOT COURSE LISTING KEY:

NCFM	National Centre for Food Manufacturing, University of Lincoln	☑ lincoln.ac.uk/holbeach/instituteoftechnology
UCNL	University Campus North Lincolnshire (DN Colleges Group)	☑ ucnl.ac.uk/about-us/institute-of-technology
NLC	North Lindsey College (DN Colleges Group)	☑ northlindsey.ac.uk/schoolleavers/school-leavercourses/ engineering
GRIMSBY	Grimsby Institute and University Centre Grimsby (TEC Partnership)	☑ grimsby.ac.uk/degreelevel/institute-of-technology
LCUC	Lincoln College University Centre	☑ lincolncollege.ac.uk/iot
BOSTON	Boston College	boston.ac.uk/studentlife/campuses-andfacilities/ rochford/institute-oftechnology
GRANTHAM	Grantham College and University Centre	☑ grantham.ac.uk/institute-of-technology
RISEHOLME	Riseholme College	☑ riseholme.ac.uk/campusand-facilities/institute-of- technology
UTC	Lincoln UTC	☑ lincolnutc.co.uk/institute-oftechnology

HOW TO ENQUIRE AND APPLY

All the courses available at LIoT are listed in this guide along with the location they are available. Simply visit the providing partner's website for more information about the course you are interested in, and enquire or apply directly to your chosen course.

MANUFACTURING AND ENGINEERING

LEVEL	COURSE	PROVIDER
3	2D Computer Aided Design (Award)	NLC
3	BTEC Extended Certificate in Engineering	UTC
3	Engineering Technologies (Subsidiary Diploma)	NLC, BOSTON
3	Advanced Diploma in Electrical Installation	NLC
3	Diploma in Engineering Technologies – Fabrication and Welding	NLC
3	Diploma in Engineering Technologies – Mechanical	NLC
3	Parametric Modelling (Award)	NLC
3	Foundation Diploma in Engineering	BOSTON
3	Extended Diploma in Engineering	BOSTON
3	Engineering Technologies (Diploma)	UCNL
3	T Level Maintenance, Installation, Repair in Engineering and Manufacturing	BOSTON, UTC, LCUC
3	Food Technologist Apprenticeship	NCFM
3	Food and Drink Technical Operator Apprenticeship	NCFM, GRIMSBY
3	18th Edition – C&G 2382 Requirements for Electrical Installations	NLC, BOSTON
3	Food and Drink Advanced Process Operator Apprenticeship	NCFM
3	Electrotechnical Apprenticeship	BOSTON
3	Maintenance and Operations Engineering Technician Apprenticeship	BOSTON, GRIMSBY, GRANTHAM, LCUC
3	Engineering Construction Pipefitting Apprenticeship	NLC
3	Welder Apprenticeship	NLC
3	Engineering Technician Apprenticeship	NLC
3	Metal Fabricator Apprenticeship	NLC, GRIMSBY, LCUC
3	Engineering Technician Apprenticeship (Mechatronics)	NLC
3	Refrigeration, Air Conditioning and Heat Pump Engineering Technician	NLC, GRIMSBY
3	Pipe Welder Apprenticeship	NLC
3	Plate Welder Apprenticeship	NLC
3	Installation Electrical/Maintenance Electrician Apprenticeship	NLC, GRIMSBY, LCUC
4	Automation and Controls Engineering Technician Apprenticeship	UCNL, GRANTHAM
4	Engineering Manufacturing Technician Apprenticeship	UCNL, BOSTON, GRANTHAM, LCUC
4	Process Leader Apprenticeship	UCNL
4	HNC Marine Engineering	GRIMSBY

⁺ COURSE LISTING CONTINUED...

MANUFACTURING AND ENGINEERING

LEVEL	COURSE	PROVIDER
4	Advanced Certificate in Nautical Science	GRIMSBY
4	HNC Engineering - General	GRIMSBY, UCNL
4	HNC Engineering - Mechanical	GRIMSBY, UCNL, GRANTHAM, LCUC
4	HNC Engineering - Electrical and Electronic Engineering	UCNL, GRANTHAM, LCUC
4	HNC Manufacturing	GRANTHAM
4	Quality Practitioner Apprenticeship	NCFM
4/5	Higher National Flex – Bespoke Engineering Programme Design	UCNL
5	Food and Drink Engineer Apprenticeship	NCFM
5	HND Engineering - Mechanical	UCNL, GRANTHAM
5	HND Engineering - Electrical and Electronic	UCNL, GRANTHAM
5	HND Engineering - General Engineering	GRIMSBY, UCNL
5	HND Engineering – Manufacturing Engineering	GRANTHAM
5	HND Engineering	BOSTON, LCUC, GRIMSBY
5	Food and Drink Engineer Apprenticeship	NCFM
5	FdSc Food and Drink Operations and Manufacturing Management	NCFM
5	FdSc Food Science and Technology	NCFM
5	Operations/Departmental Manager (Technical)	NCFM
6	BSc Engineering	GRIMSBY
6	BSc (Hons) Electrical Engineering (Control and Network Connected Devices)	LCUC
6	BSc (Hons) Electrical Engineering (Production Automation)	LCUC
6	BSc (Hons) Electrical Engineering (Sustainable Energy)	LCUC
6	BSc (Hons) Food and Drink Operations and Manufacturing Management	NCFM
6	BSc (Hons) in Food Science and Technology	NCFM
6	Electrical/Electronic Technical Support Engineer Apprenticeship	NCFM
6	Manufacturing Engineer Apprenticeship	NCFM
6	Manufacturing Manager Apprenticeship	NCFM
6	Advanced Engineering Degree Apprenticeship	NCFM
N/A	Condition Monitoring of Processing and Packaging Machinery: Fault Diagnosis and Predictive Maintenance	NCFM
N/A	Condition Monitoring of Processing and Packaging Machinery: Advanced - Fault Diagnosis and Predictive Maintenance	NCFM

JOSHUA WATSON

Josh progressed from Level 3 Engineering at the Grimsby Institute to HNC Electrical and Electronic Engineering at University Centre Grimsby.

"The first year of my Level 3 was tough as I had to adjust to the college environment. However, with the excellent support and guidance from my tutors, I was able to choose the right path and be one of the most successful second year Level 3 learners in my year. This inspired me to progress onto HNC Electrical and Electronic Engineering at the University Centre Grimsby."

JOSHUA WATSON, LEVEL 3 | ENGINEERING HNC ELECTRICAL & ELECTRONIC ENGINEERING



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+ COURSE LISTING CONTINUED...



DIGITAL

LEVEL	COURSE	PROVIDER
3	Digital Marketer Apprenticeship	GRANTHAM, LCUC
3	IT Solutions Technician Apprenticeship	GRANTHAM
3	Digital Support Technician Apprenticeship	GRANTHAM
3	Infrastructure Technician Apprenticeship	NLC, LCUC
3	Information Communications Technician Apprenticeship	NLC
4	HTQ (Equivalent to HNC) Computing for England	BOSTON, GRANTHAM
4	FdA Graphic Design and Digital Design	BOSTON
4	HNC Cloud Computing	GRANTHAM
4	HNC Digital Technologies	GRANTHAM
4	CertHE Digital Learning Design	LCUC
4	CertHE Computer Automation, Internet of Things Development	LCUC
4	Cyber Security Technologist Apprenticeship	LCUC
4	Cyber Security	LCUC
4	Software Development Apprenticeship	GRANTHAM
4	Network Engineer Apprenticeship	GRANTHAM
4	Data Analyst Apprenticeship	GRANTHAM
4	HNC Digital Technologies (Software Development & Programming)	UCNL
4	Software Tester & Software Developer Apprenticeship	UCNL
5	HTQ (Equivalent to HND) Computing for England	GRANTHAM
5	HND Digital Technologies	GRANTHAM
5	CertHE Mobile, Web, Virtualisation and Streaming Technologies	LCUC
5	FdSc Digital and Technology Solutions	GRIMSBY
5	FdSc Digital and Technology Solutions (online study)	GRIMSBY
6	BA Games Design	GRIMSBY
6	BSc Computer Science	LCUC
6	BSc (Hons) Digital and Technology Solutions (final year only)	GRIMSBY
6	BSc (Hons) Digital and Technology Solutions (Software) (final year only)	GRIMSBY
6	BSc (Hons) Digital and Technology Solutions (Networking) (final year only)	GRIMSBY
6	BSc (Hons) Digital and Technology Solutions (Data Analytics) (final year only)	GRIMSBY

BEN COMINS

Ben has enjoyed everything about the IoT experience and his access to precision farming principles and technologies. He sees precision farming as vitally important for the future of agriculture and for him and his future career.

Ben has been able to apply his knowledge and expertise developed on his course in his current place of work, selling precision farming equipment for a farm machinery dealership. He sees himself continuing within this area in the future and counts his IoT experience as making a significant difference to his employability as he has a depth of knowledge and understanding of equipment and technologies that other colleagues don't currently have. Furthermore, he feels comfortable and confident using and talking about the impact precision farming equipment can have on the sector.

"Technology is vital to the farming industry in today's modern world to improve yields, efficiency and farming business in general. I've enjoyed learning everything about Precision Agriculture as it's very important for the future of Agriculture and my career. Having access to the precision agriculture equipment through the Institute of Technology at Riseholme College has made me more employable - nearly all farmers and landowners will need this technology in the future."

BEN COMINS, COMPLETED AN FdSc IN AGRICULTURE AT RISEHOLME COLLEGE

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⁺ COURSE LISTING CONTINUED...

AGRITECH

LEVEL	COURSE	PROVIDER
3	National Extended Diploma Agriculture	RISEHOLME
3	Land-Based Engineering	RISEHOLME
3	T Level Land-Based Engineering	RISEHOLME
4	HNC Agriculture (General, Crop Production or Livestock Production)	RISEHOLME
5	FdSc Agriculture	RISEHOLME
5	FdSc Agriculture (Precision Crop Technology)	RISEHOLME
5	FdSc Farm Business Management	RISEHOLME
6	BSc (Hons) Precision Agriculture	RISEHOLME
6	BSc (Hons) Bio veterinary Science	RISEHOLME
6	Agriculture of Horticulture Professional Adviser Apprenticeship	NCFM

MOTOR VEHICLE

LEVEL	COURSE	PROVIDER
4	IMI Award In The Diagnosis, Testing And Repair Of Electric/Hybrid Vehicles And Components	LCUC
3	Award in Electric/Hybrid Vehicle System Repair and Replacement	LCUC

CONSTRUCTION

(LIoT INCLUDES LEVEL 4-6 ONLY)

LEVEL	COURSE	PROVIDER
4	HNC Construction and the Built Environment	LCUC
4	HNC Construction and the Built Environment (Civil Engineering)	LCUC
4	Quantity Surveying Technician Apprenticeship	UCNL
4	Site Engineering Technician Apprenticeship	UCNL, LCUC
4	HNC Construction Management for England (Design & Build Technician) Higher Technical Qualification (HTQ)	UCNL
4	Design & Build Technician Apprenticeship	UCNL
4	Construction Site Supervisor Apprenticeship	UCNL, LCUC
4	HNC Modern Methods of Construction for England HTQ	UCNL
4	HNC Quantity Surveying for England HTQ	UCNL
4	HNC Civil Engineering	UCNL
5	HND Construction and the Built Environment (Construction Management)	UCNL, LCUC

+ COURSE LISTING CONTINUED...

THOMAS HUGHES

Thomas Hughes achieved a BSc in Computer Science.

"I chose the BSc (Hons) Computer Science at Lincoln College University Centre mainly because I want to pursue a career in cybersecurity. During my time studying a Level 3 Air & Defence programme, I was informed I couldn't pursue a career in the RAF due to medical grounds. I took this quite hard at first, but the encouraging words from the tutors during my studies enabled me to get a much better grasp on my confidence. This then furthered my grades quite exponentially and led me to be recommended for the BSc Computer Science degree. I had offers from other universities but the staff and the quality of learning I would get by having the smaller group sizes appealed more to me than the standard Higher Education campus. Since I knew all the tutors beforehand it made the transition from Level 3 to BSc a lot easier to overcome. I think the small class sizes, alongside the friendly tutors, enable for a very enjoyable learning environment which I believe is the most enjoyable aspect of the course."

THOMAS HUGHES, BSc (HONS) IN COMPUTER SCIENCE AT LINCOLN COLLEGE UNIVERSITY CENTRE



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SCIENCE

(LIoT INCLUDES LEVEL 4-6 ONLY)

LEVEL	COURSE	PROVIDER
3	Food Technologist Apprenticeship	NCFM
3	Hygiene Specialist Apprenticeship	NCFM
4	HNC Applied Science	GRANTHAM
5	HND Applied Science	GRANTHAM
6	BSc Medical Bioscience	UCNL
5	FdSc Medical Bioscience	UCNL
5	FdSc Animal Welfare Science	UCNL
6	Food Industry Technical Professional Apprenticeship	NCFM

SHORT COURSES

CERTIFICATE FOR ATTENDANCE BY THE LIOT PARTNER

LIoT partners deliver a broad range of short courses and below are a few examples. If you need provision not listed then please get in touch.

LEVEL	COURSE	PROVIDER
3	Food Technologist Apprenticeship	NCFM
3	Hygiene Specialist Apprenticeship	NCFM
4	HNC Applied Science	GRANTHAM
5	HND Applied Science	GRANTHAM
6	BSc Medical Bioscience	UCNL
5	FdSc Medical Bioscience	UCNL
5	FdSc Animal Welfare Science	UCNL
6	Food Industry Technical Professional Apprenticeship	NCFM

DAVID DAVIDSON

David Davidson, one of our inaugural Orsted Maintenance and Operations Engineering Technician (MOET) programme students, has become the first apprentice to fully qualify as a wind turbine technician.

He took part in the award-winning MET programme with Grimsby Institute, which started in 2017 in collaboration with Orsted - the global-leader in offshore wind power. "Now I have completed my apprenticeship at Orsted I have hit the ground running with my future career path. I could not be more grateful for the opportunities I have been given. I will continue to recommend the Grimsby Institute MET program to anyone who wants to join this expanding industry."

DAVID DAVIDSON, ORSTED OFFSHORE WIND TECHNICIAN APPRENTICE



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INSTITUTES OF TECHNOLOGY

A

University of Lincoln T: 01522 882000

Brayford Pool, Lincoln, LN6 7TS





Grantham College University Centre T: 01476 400200

Stonebridge Road, Grantham, NG31 9AP



Grimsby Institute and University Centre Grimsby

T: 0800 328 3631

The Grimsby Institute Nuns Corner, Grimsby, DN34 5BQ





Lincoln College University Centre T: 01522 876000

Monks Road, Lincoln, LN2 5HQ





Boston College T: 01205 365701

Skirbeck Road, Boston, PE21 6JF

boston:college



Riseholme College T: 01522 304600

Showground Campus, Lincoln, LN1 2ZR

RISEHOLME



North Lindsey College (DN Colleges Group) T: 01724 281111

Kingsway, Scunthorpe, DN17 1AJ



University of Lincoln

Food Manufacturing

T: 01522 882000

PE12 7FJ

The National Centre for

The Centre of Excellence

in Agri-food Technology, Holbeach, Spalding

UNIVERSITY OF LINCOLN

NATIONAL CENTRE FOR FOOD MANUFACTURING

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University Campus North Lincolnshire T: 01724 294125

Ashby Road, Scunthorpe, DN16 1BU



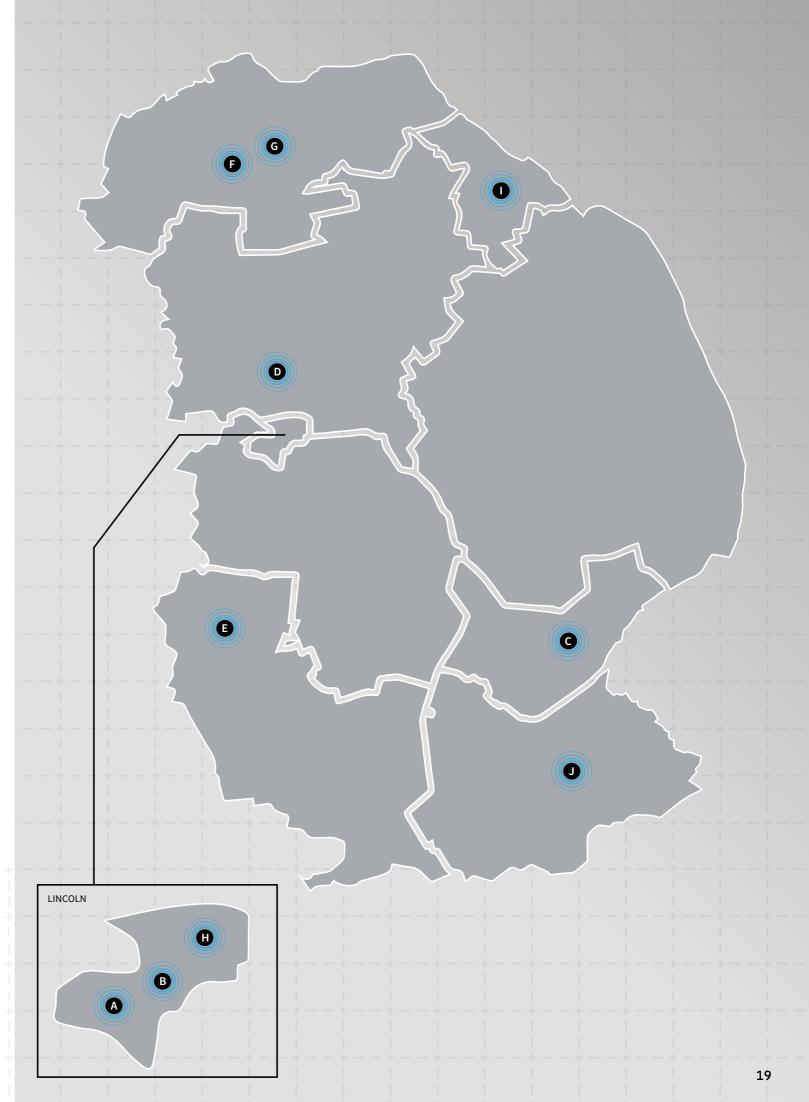


Lincoln UTC T: 01522 775990

Greestone House, Lindum Rd, Lincoln, LN2 1PF







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