

Airfields // Highways // Off-Highways // Civils & Maintenance

COMMERCIAL & DEFENCE AIRFIELDS

The busiest airfields trust Jointline.



Safely Marking
The Way Ahead
jointline.co.uk

WORKING SAFELY ON THE WORLD'S BUSIEST AIRFIELDS.

Every client and project is unique. We work with each client to tailor the broad range of line marking, civils and surface preparation services that we offer to deliver the best solution for the programme of works.

In our 30-year history, we have built up a broad and deep knowledge base and are renowned for our expertise and market-leading project delivery. This is why we are trusted by defence organisations and the biggest names in commercial aviation across the UK and the rest of the world.

Our fleet of purpose-built vehicles and highly-skilled security screened staff enable us to deliver your programme of works within the tightest operating windows negating downtime and keeping military operations and commercial flights disruption free. We are fast, efficient and flexible in the deployment of our work. We work with a 'right-first-time' culture of delivery with safety at the forefront of our minds at all times.

Jointline are the aviation specialist for civil engineering, surface construction and preparation, line marking, grooving and joint sealing.





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AIRFIELD INSPECTIONS

Professional airfield inspections to ensure compliance, safety, and operational excellence.

We understand that airfield safety and operational efficiency begin with thorough, precise inspections. With over 30 years of experience in the aviation sector, we are a trusted partner for airfield operators across the UK. Our dedicated team offers comprehensive airfield inspection services tailored to meet the exacting standards of the Civil Aviation Authority (CAA) and International Civil Aviation Organisation (ICAO).

Our Airfield Inspection Services Include:

- > **Runway and Taxiway Surface Inspections:**
We assess the condition of asphalt, concrete, and painted markings to identify cracks, rutting, or other damage that could impact aircraft operations. Our team ensures all surfaces meet friction and skid resistance standards.
- > **Joint Sealing Inspection for Concrete Pads:**
Concrete pads are essential for aircraft operations, and the integrity of joint sealing plays a critical role in their performance. Our team inspects joint seals for wear, adhesion, and damage, ensuring they are watertight and capable of withstanding environmental and operational stresses.
- > **Drainage Assessments:**
Effective drainage is vital for preventing surface water buildup and maintaining runway integrity. Our inspections identify blockages, ponding, and other drainage issues to help you mitigate risks.
- > **Rubber Deposits on Surfaces:**
Rubber buildup on runways from aircraft landings can compromise friction and skid resistance, posing a safety risk. Our inspections assess the extent of rubber deposits and recommend solutions for removal to maintain optimal runway performance.

> **Foreign Object Debris (FOD) Checks:**

FOD poses a significant threat to aircraft safety. Our inspections include comprehensive checks for debris on runways, taxiways, and aprons to reduce potential hazards.

Key Benefits of Regular Airfield Inspections

- > **Improved Safety:**
Regular inspections help prevent accidents by identifying hazards early.
- > **Cost-Effective Maintenance:**
Proactive detection of issues reduces the need for expensive emergency repairs.
- > **Regulatory Compliance:**
Stay ahead of CAA, ICAO, and other regulatory requirements.
- > **Optimised Operations:**
Ensure minimal disruption to airfield operations with efficient inspection processes.

CIVILS & GROUNDWORKS

Jointline delivers bespoke civil and maintenance solutions to the aviation industry.

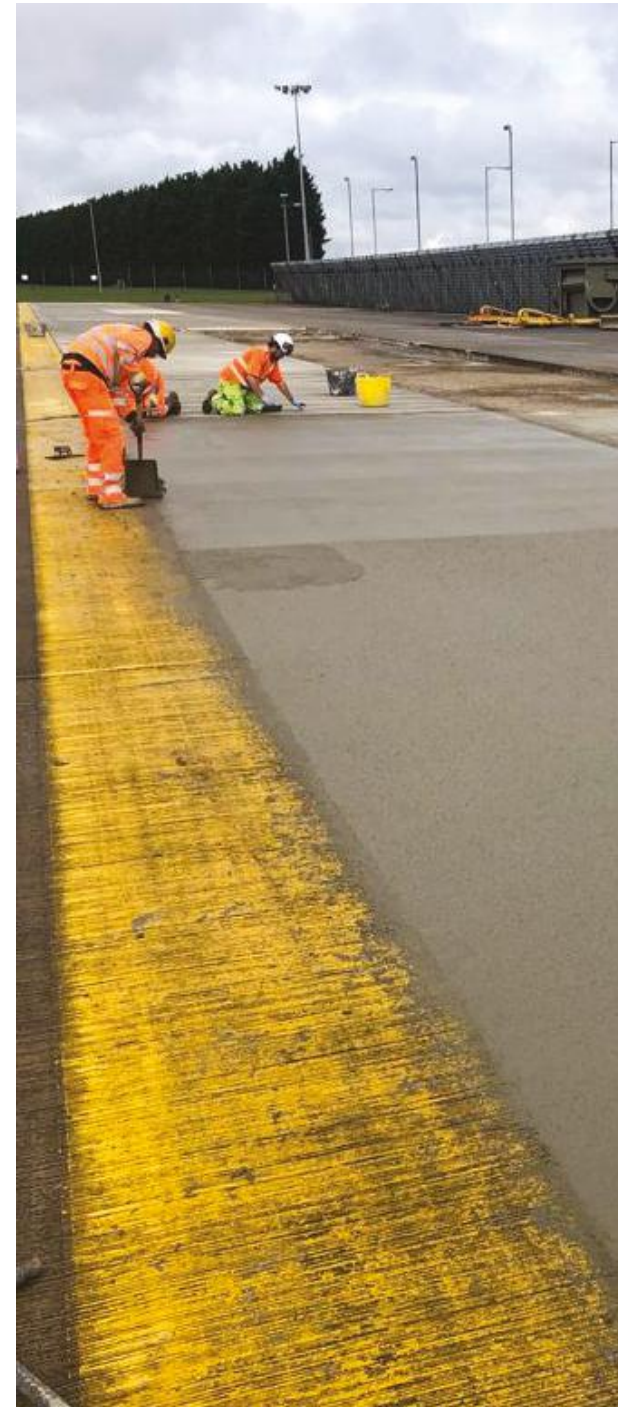
Within our separate Civil Engineering department, we deliver schemes both in-house and in co-ordination with specialist approved sub-contractors to uphold the highest working standards.

The services we offer range from minor to major engineering works and we operate in role of either main contractor or specialist sub-contractor.

Our Civil Engineering department has a particular specialism in airfield construction which complements our successful line marking, joint sealing and airfield grooving services.

Our works include but are not limited to:

- > Concrete slab construction
- > Concrete patch repairs using cementitious or epoxy mortars
- > Asphalt and pothole repairs using HAPAS approved materials
- > Road reconstruction
- > Repair of surface water damage
- > Drainage
- > Kerbing & Block Paving





SURFACE CONSTRUCTION & REPAIRS

Jointline are the aviation specialist for surface construction, preparation and repair.



Runway construction, apron works, airport roadways and rehabilitation projects are one of the most complex and challenging tasks that an airfield can undertake. Jointline has years of experience in this area, which makes it well-equipped to tackle even the most difficult projects. In fact, many of Jointline's clients regard its runway construction services as some of the best in the business.

Services that Jointline offer include:

- > **Concrete Bay Replacements & Repairs:**
Jointline can replace and repair concrete pads for airfields, ensuring that they are in a good condition and able to support airport operations over their design life. By replacing damaged pads, Jointline is able to reduce the amount of work that needs to be done to maintain the airfield, which in turn reduces the overall cost. Additionally, by repairing any problems that may arise, Jointline ensures that the airfield remains safe and operational.
- > **Engineered Surfacing:**
Surface degradation can have a number of negative consequences, including the loss of property value, greater maintenance costs, and increased risk of safety hazards. To combat these issues, engineered surfacing can be used to improve the appearance, durability, and functionality of surfaces.
- > **Glass Grid Reinforcement:**
Glass grid reinforcement is an effective way to control reflective cracking in asphalt. They're particularly beneficial for areas that experience high levels of traffic and frequent exposure to sunlight.

Landside capabilities include:

- > Construction of Surface Car Parks and Perimeter Roads
- > Surface Dressing - Resin Bound / Bonded Surfacing
- > Tar Spray & Chip Surfacing
- > Specialist Surfacing Utility Reinstatements



SURFACE GROOVING

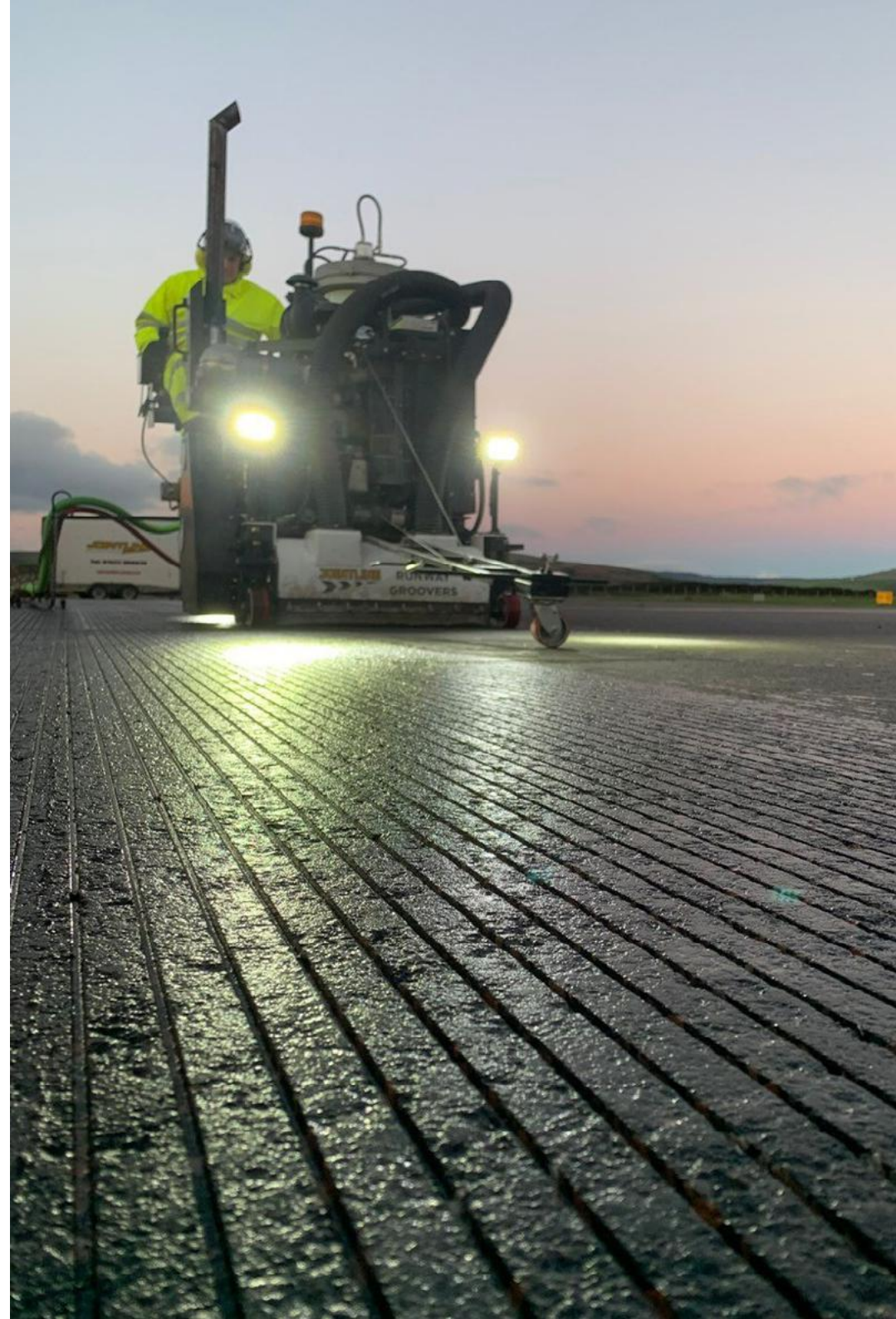
Grooving has become the proven, most cost effective way to increase the co-efficient of friction in the wet.

Airfield grooving is used to increase the friction of a wet surface by removing surface water. Jointline have many years experience at the installation of anti-skid grooving to asphalt and concrete runways at airfields both in the UK and Worldwide. It is also possible to install anti-skid grooving on highways to give additional surface grip.

Airfield grooving involves saw cutting horizontal grooves into the surface of a runway. This helps any water on the surface dissipate more quickly increasing surface friction and reducing the chances of aquaplaning. Grooving has become the proven, most cost effective way to increase the co-efficient of friction in the wet thus improving the take-off and landing distances of aircraft. Tests by NASA have proved that a grooved runway should finish with a co-efficient of friction which, in the wet, equates to 85% of that when it is dry.

For anti-skid grooving, we have an extensive selection of plant available including the latest "Cushion Cut" machine. This machine, in addition to the provision of grooves to the required centre, pitch and depth specification will automatically vacuum up the resultant spoil. Each job is unique and we will identify the correct depths of grooves and groove spacing to maximise the efficiency of water dissipation for your surface.

Only operatives with the requisite ability and experience are employed by Jointline Limited on these contracts and we always work to the safest standards.



JOINT SEALING

Where you have new or existing construction joints in road surfaces made from asphalt or concrete it is necessary to fill and seal them appropriately.

Joint Sealing allows the surface to tolerate expansion and contraction, protects the joint from water damage, and prevents the joint from failing due to other surface applications such as de-icer or from surface spillages.

Jointline provide joint sealing in a variety of ways:

- > **Hot Applied N1 and N2 Sealants:**
Hot applied N1 and N2 sealants are used to maintain and repair joints in concrete or asphalt surfaces and are particularly used on highways, airfields and car parks. These hot applied sealants are fully BS EN14188-1 compliant. They have excellent expansion and contraction qualities and are effective at preventing damage resulting from water and dirt. These joint sealants can be quickly and simply applied at any time of year and cure quickly, helping to minimise disruption to traffic or users of the area to be treated.
- > **Cold Applied Fuel Resistant Joint Sealants:**
If the area to be treated has a high likelihood of fuel spillages i.e. aircraft fuelling areas, oil terminals, garage forecourts, parking and cargo areas then we would applied a fuel resistant sealant using a cold application method. As with the N1 and N2 sealants the contraction and expansion properties are excellent and provide joint protection from water, dirt and more importantly kerosene, petrol and aircraft fuel.

As well as simply sealing joints Jointline have specialist saw cutting equipment to:

- > Create joints in new/green concrete to enable the surface to deal with expansion and contraction
- > Chase out of existing concrete cracks before sealing them or overbanding them
- > Reform existing joints to effectively reapply sealant.





OVERBANDING

Jointline can protect your surfaces with our HAPAS approved materials.

Overbanding is a process used to seal cracks in a road or surface which may be:

- > Spontaneous from wear and tear and require repair; or
- > Where works have been carried out and the joint between the old surface and new surface need sealing

Overbanding these cracks is vital and serves to prevent damage and surface fretting from water, dirt or spillage penetration. Overbanding effectively seals the join and overlaps the two sides of the join up to 200mm. This ensures that nothing can get into the crack and further degrade the surface.

Overbanding these cracks is vital and serves to prevent:

- > Using hot applied Bituminous material to seal and overband the crack
- > Using cold applied resins

The method chosen will depend on the project characteristics; the type of materials either side of the crack to be overbanded and how the surface is used i.e. car park versus airport fuelling area.

Jointline take health & safety very seriously and both of their overbanding methods are HAPAS approved, with high skid resistance values necessary to conform to requirements. This helps prevent any road users from slipping or skidding on the overbanded area particularly in wet conditions.



HYDROBLASTING

Sustainable Surface Cleaning and Retexturising for Airfields

Jointline offers expert hydroblasting services for aviation, providing precise solutions for rubber removal, line marking removal, surface retexturing, and fuel spillage cleanup on runways and taxiways. Our high-pressure water systems effectively restore surface friction and remove contaminants, ensuring runways meet strict aviation safety standards.

Methods:

- > **Rubber Removal:** Eliminates tyre build-up from runways, restoring friction for safe landings.
- > **Line Marking Removal:** Safely removes outdated or incorrect markings without surface damage.
- > **Surface Retexturing:** Improves surface grip by cleaning and retexturing worn areas.
- > **Fuel Spillage Cleanup:** Efficiently removes harmful fuel residues to prevent surface degradation.

Key Benefits:

- > Restores essential runway friction levels to meet aviation safety standards.
- > Eco-friendly process with no harsh chemicals or abrasives.
- > Quick and effective solution, minimising runway downtime.



AIRFIELD LINE MARKING

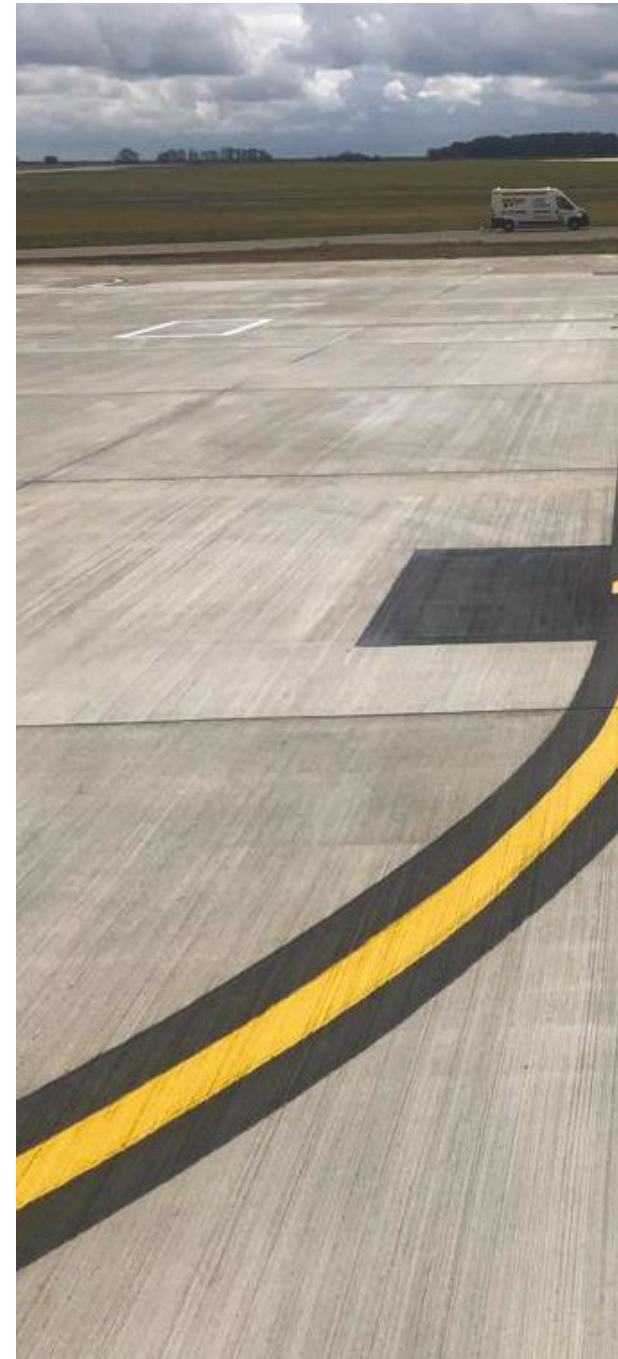
Jointline has vast experience in airfield and airport line marking, and we continue to be the market leader for the UK's airports, airfields and MOD bases.

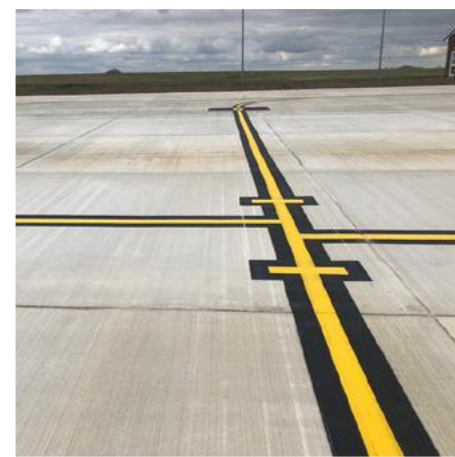
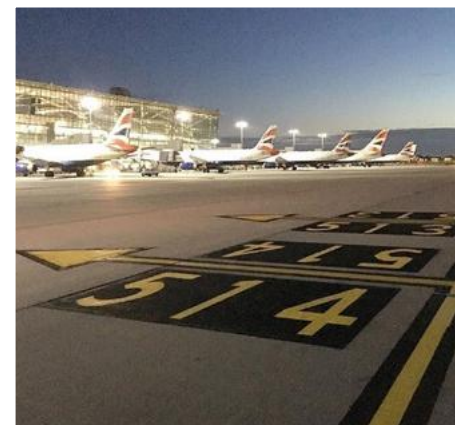
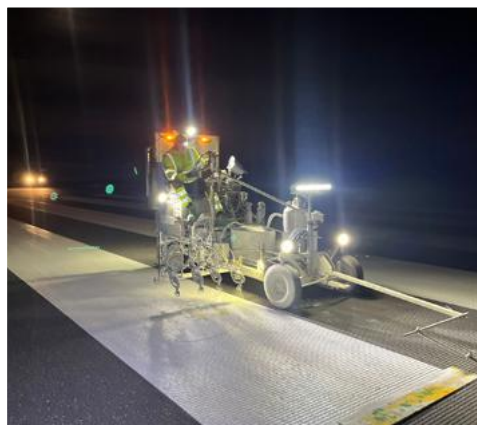
Line marking is an essential element of the airfield infrastructure, from full runway markings to delineation of taxiway markings, or identifying any potential hazards. Jointline's experienced staff have the knowledge and expertise, along with state of the art equipment to implement surface markings which comply with strict regulations.

Our line marking complies with EASA, CAP168 and MADS where appropriate. This is a superior quality to conventional line marking material, combined with a unique grading of aggregates. This combination gives a high friction value where necessary, which brings it into line with the surrounding runway surfaces. By varying the size and amount of aggregates, friction values of between .65 and .8 using a grip tester can be achieved.

We specialise in single pack epoxy and chlorinated rubber materials that are used in conjunction with calzined flint to enhance the friction values of the markings. These are used in place of traditional line marking materials such as thermoplastic, as they present a much less risk in the prevention of foreign object debris (FOD).

We invest heavily in the most up-to-date equipment to ensure we are capable of applying large volumes of material within the restricted windows of opportunity when required. Key to the implementation of new layouts or changes on airfields, Jointline has a range of removal techniques that can be used that comply with necessary legislation.





QUALITY, SAFETY, HEALTH & ENVIRONMENT

Jointline places paramount importance on Quality, Safety, Health, and Environment (QSHE) across all operations. Our QSHE policies are designed to ensure that every project is executed with the highest standards of safety and environmental stewardship.

We are committed to:

- > **Quality:**
Adhering to industry best practices and standards, ensuring that our projects meet or exceed client expectations. Our certifications and accreditations, including BBA and ISO standards, reflect our dedication to maintaining excellence.
- > **Safety:**
Promoting a safety-led culture where all employees are empowered to check, challenge, and change unsafe practices. Our safety protocols are designed to protect the public or those local to our schemes as well as our own workforce, ensuring a secure working environment.
- > **Health:**
Implementing robust health management systems to protect the well-being of our workforce. We prioritise health and safety through regular training, risk assessments, and proactive initiatives.
- > **Environment:**
Minimising environmental impact through sustainable practices and responsible resource management. Our projects incorporate environmentally friendly materials and methods, reducing our carbon footprint and promoting ecological balance.



SOCIAL VALUE

We believe in making a positive impact on the communities we serve by fostering economic, social, and environmental well-being.

- > **Community Engagement:**
Actively involving local communities in our projects to ensure that their needs and concerns are addressed. We work closely with community stakeholders to enhance public spaces and support local development.
- > **Local Employment:**
Prioritising the hiring of local talent and suppliers to boost the local economy and create job opportunities. We are committed to providing training and apprenticeship programs to develop skills within the community.
- > **Sustainable Practices:**
Implementing environmentally sustainable practices in all our projects to protect and enhance the natural environment. We focus on reducing waste, conserving resources, and using eco-friendly materials.
- > **Charitable Support:**
Supporting local charities and community initiatives through donations, sponsorships, and volunteer efforts. We encourage our employees to participate in charitable activities and give back to the community.
- > **Education and Outreach:**
Partnering with local schools and educational institutions to promote STEM (Science, Technology, Engineering, and Mathematics) education. We offer site visits, workshops, and work experience to inspire the next generation of engineers and civils professionals.



We are dedicated to creating social value through our operations and projects.



WORK WITH US

At Jointline,
we are always
looking to
collaborate with
clients, partners,
and talented
professionals
who share our
commitment to
excellence and
innovation.

Working with us means becoming part of a culture that values quality, safety, and sustainability.

> **Clients:**

We provide bespoke, end-to-end solutions tailored to meet your specific project needs. Our multidisciplinary expertise ensures that we can handle all aspects of your project, delivering exceptional results on time and within budget.

> **Partners:**

We believe in building strong, collaborative relationships with our partners. Whether you are a supplier, subcontractor, or consultant, we work together to achieve shared goals and deliver superior outcomes.

> **People:**

Join our dynamic team and be a part of a company that values professional growth and development. We offer competitive benefits, ongoing training, and opportunities for career advancement. Explore our current job openings and apply to become part of the Jointline family.





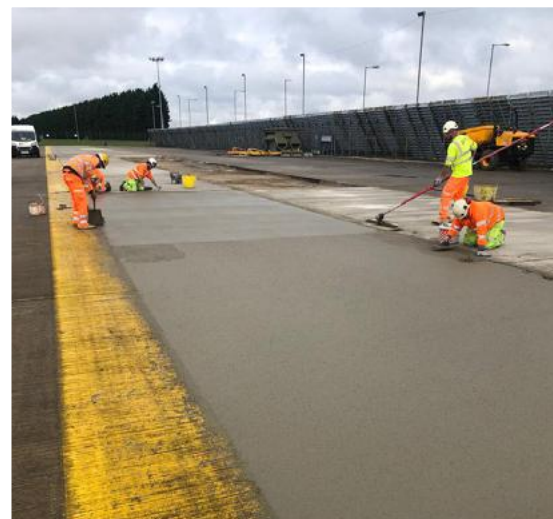
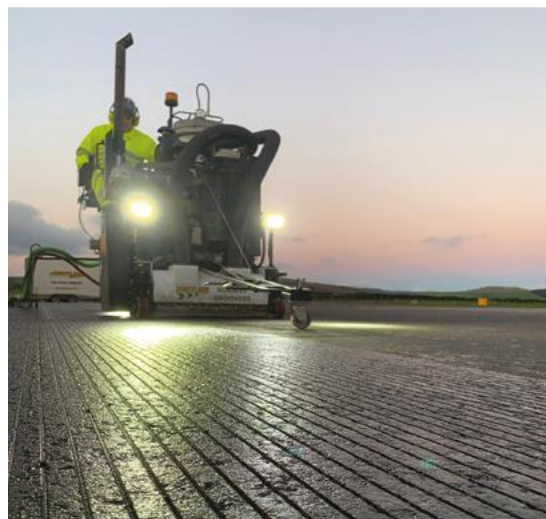
For more information on working with us, please contact us at:

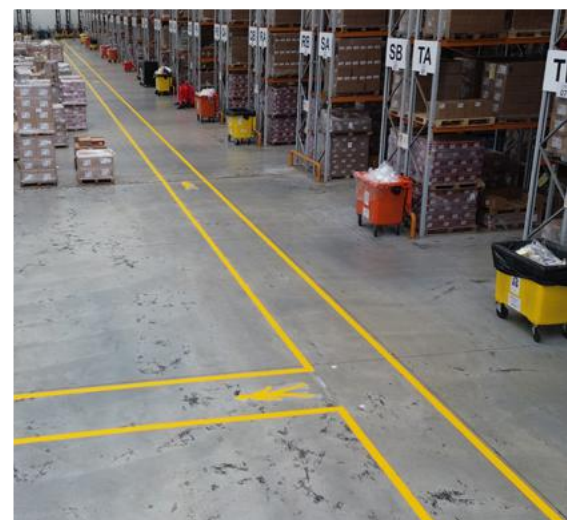
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