

# CAIRN CROSS

Shaping Future Infrastructure

COMPANY BROCHURE



Cairn Cross are a multi-disciplined design and build specialist main contractor for rail depots and bespoke projects.



## About Us

Delivering a complete built environment service to our customers whilst maintaining traditional values and skills. We push the boundaries in providing solutions using modern techniques and technologies, all encompassed by our work ethic and sense of pride in delivering a safe, innovative, quality and valuable service.

Our experienced and versatile team deliver civil engineering works across various industries such as rail, highways, bridges and structures, water, power, mechanical and electrical, pollution control, fabrication and product innovation.

**Complete client satisfaction, every project, every time.**

### Contact us

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# Services we provide

As a multi-discipline Design and Build specialist we deliver a wide range of services across all sectors.



## Rail Infrastructure

From modifications to complete new depot facilities including wheel lathes, carriage washes, bogie drop facilities, fuelling, CET and AdBlue.



## Bespoke Projects

Piling, concrete forming and repair, and structural design means we can deliver most of the civil engineering demand.

### Additional services & capabilities include:

- ▶ Mechanical & Electrical
- ▶ Product Innovation
- ▶ Fabrication
- ▶ Pollution Control
- ▶ Water
- ▶ Design & Build

### Milestones

**5+**

Carriage Wash Installations

**9**

Wheel Lathe Installations

**15+**

Bridges

**20+**

CET Installations

**40+**

Rail Depots

**50+**

Nationwide team

## Previous Clients



## Accreditations

# Who we are

Our company's core values set out our shared vision and principles. Everyone strives together to serve employees, clients, and the broader community to the best of our abilities.



## Our Values

Our company's core values set out our shared vision and principles. Everyone strives together to serve employees, clients, and the broader community to the best of our abilities.



## Our Mission

A multi-disciplined design and build specialist main contractor for rail depots and bespoke projects.

## Our Promise

Everyone at Cairn Cross embodies and strives to deliver our commitment and promise of

**Complete client satisfaction, every project, every time.**



## Committed to our Work Safe, Live Safe Strategy

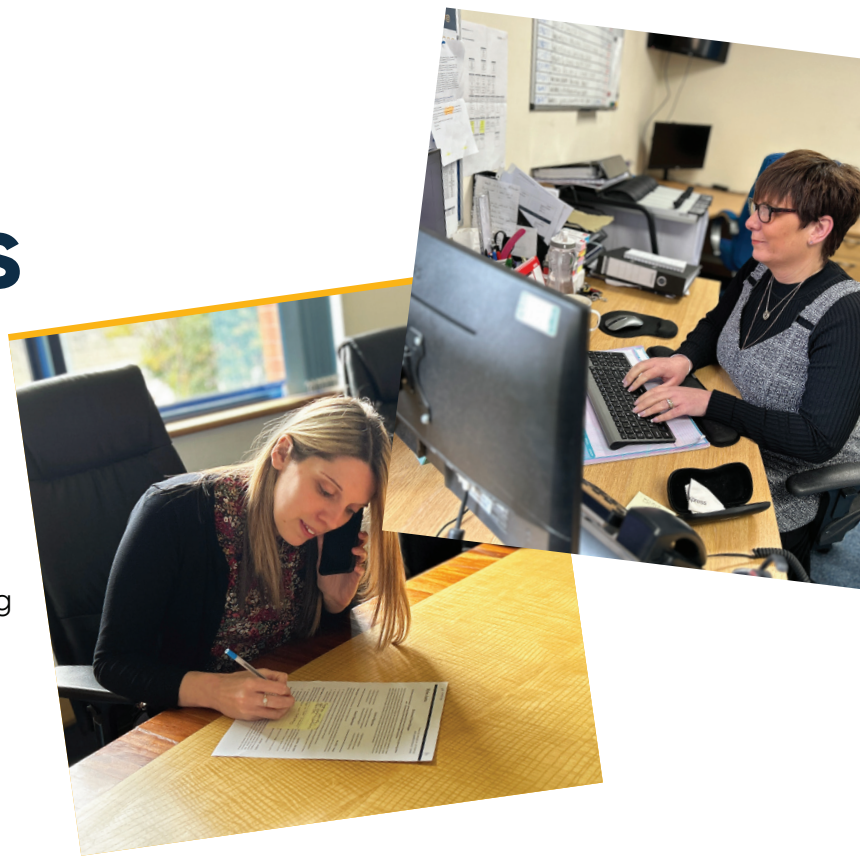
Our Work Safe Live Safe strategy for the Health and Safety of our workforce is driven by our desire to create a positive safety culture and ensuring all levels of staff and supply chain are incorporated into our efforts.

This strategy looks to go beyond the traditional health and safety role of preventing harm and promote a vigilant and proactive culture towards everyone's health and safety in the workplace.

# Working at Cairn Cross

Cairn Cross is a rapidly growing civil engineering company within the UK. We strive to learn, develop, and create opportunities for existing and new team members to the industry.

In 2020, we celebrated 25 years of investing in the growth of out-of-the-box thinking driven individuals who thrive in their career progression.



Scan the QR Code for vacancies

## Benefits

As a Cairn Cross Group employee you have access to a range of services, discounts and benefits along with regular staff events, award schemes and campaigns.



Birthday Off



Personal Development



Agile Working\*



Health Insurance



Eye Tests & Glasses



Retail Discounts & Cashback



Dental Costs



Gym Discounts



# Professional Development Opportunities

with our dedicated in-house training

Our dedicated in house training and development department offers a range of training and professional qualifications to unlock your potential.



## Graduate Spotlights

Being given the access, training, and support to undertake my HR training has been incredible. Everyone at work is extremely supportive, which has given me the confidence to pursue it further.

**Fiona,**  
**HR Administrator**

When beginning my journey with Cairn Cross, they helped me enormously financially by covering the cost of my tuition fees, allowing me the peace of mind to complete my studies free from part of the burden left with repaying these fees when becoming fully qualified.

**Stephen,**  
**Quantity Surveyor Graduate**

We are proud to be part of the 5% Club that shares our values and commitment to developing the future talent of the industry. We put great effort into maximising everyone's career potential.

**Jan,**  
**Training and Development Manager**

### Want to read more?

Visit our website to see our latest employee spotlight series



We can construct and manage any project as a design and build basis as main contractors...

For twenty-five years, we pride ourselves on the work we carry out and the professional development of our dedicated team of industry specialists. We have accrued various awards and accreditations that celebrate the commitment of efforts to provide you with the best solutions to your infrastructure projects.





# We're a design & build main contractor

Our in-house multi-disciplinary design specialists; Epsilon Design Engineering Ltd specialise in civil and structural design consultation on a wide range of design disciplines offering tailored design services.

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Epsilon has a rapidly growing portfolio of successful projects, ranging from designs in pollution control, steel fabrication, and building renovation to structural concrete, feasibility studies, car parks and drainage, landscaping and petrol filling stations.

# Journey so far...

With over 25 years of growth, we have developed a successful team that design and deliver significant infrastructure projects across the UK as main contractor and with in-house design capabilities.

Check out some of our milestones!

## 01. 1st Bridge



### Bridge Replacement

Bridge replacement project for May Gurney Nineveh Road. A series of other bridge work followed after this project.

### Cairn Cross Civil Engineering Ltd

Company was incorporated into a limited company changing our name and logo.



### Cairn Cross Carpenters

Started as a family business, named after the family house. Work was mainly civils work in the north of England.



### Frodingham Depot

Our first rail depot refurbish project was Grant Rail Frodingham Depot upgrade and refurbishment.

### Van Fleet

We expanded the van fleet with Astra vans.



### Darnall CSO

Darnall Sheffield Combined Sewer Outlets

06.  
1st TrackPan



### TrackPan Installation

Our first major TrackPan installation was across Worcester, Fratton, Heaton, Perth, Penzance and Ashford.

### Oxley, Wolverhampton

Alstom required new bogie drop, maintenance road and pit on piled foundations and shed facility.



### Heaton Depot

Installation of NEU CET system



### Brooklands Court

We began renting office space in 2008 and moved to larger premises within the building in 2009.

### Thornhill Bridge

Thornhill Bridge & Linda Grant Safety Award



### Longsight Manchester

Various projects at Longsight including Wheel lathe, building structures and hard surfacing.



### Morley Head Office

Moved offices due to expanding workforce, with our first fully owned premises.

### Flagship Carriage Wash

Named the UK's most advanced carriage wash, following installation at Holyhead, Isle of Angelesy.



### 25 Years and Rebrand

New branding, complete with new messaging, website and marketing materials.

# Greenholme Mills Luxury Apartments

Groundworks to renovate a textile mill into luxury apartments.



Client  
**MMR**

Value  
**£2,850,000**

Location  
**Burley In Wharfedale**

## PROJECT OVERVIEW

- ▶ Access Roads
- ▶ Attenuation
- ▶ Concrete foundations
- ▶ Excavation
- ▶ Flood Defence Wall
- ▶ Hard & Soft Landscaping
- ▶ Kerbing
- ▶ Mechanical & Electrical
- ▶ Residential Building



### 1 The Challenge

The team delivered infrastructure and groundworks to support renovating one of the largest UK decommissioned Victorian water-driven textile mills into luxury apartments. The location required significant foundation and ground works including installation of an attenuation storage tank in the event of rising river levels from the adjacent river Wharfe.

### The Solution

The core work included structural foundations, drainage upgrades, and repairs to the existing river wall. Several retaining walls were installed around the complex to work with the sloping landscape.

Above ground, a new substation, car parking, hard and soft surfacing and access roads were installed.



### The Result

The new luxury apartment complex is completed with modern drainage and flood defence solutions, new access roads with kerbing and car parking space for EV car charging options too.

# Central Rivers Wheel Lathe

A Design & Build project to supply a brand new tandem wheel lathe facility with new building and new p-way siding



Customer  
**Bombardier/Alstom Rail**

Value  
**£5,624,000**

Location  
**Burton-on-Trent**

## PROJECT OVERVIEW

- ▶ Design & Build
- ▶ Principal Contractor
- ▶ Mechanical & Electrical
- ▶ Portal Frame Building
- ▶ Tandem Wheel Lathe
- ▶ S & C Automated Points
- ▶ New Power Supply
- ▶ New P-Way Siding
- ▶ Swarf Conveyor
- ▶ Fume Extraction System
- ▶ Depot Protection System



## The Challenge

A brand new wheel lathe facility was required at the Central Rivers Depot in Burton-on-Trent to provide an enhanced facility for tyre-turning at the depot for the newly introduced fleet of Bombardier Flexity Swift vehicles in the network. The wheel lathe was to be housed within a new portal steel frame building, accessed via a new p-way siding, controlled by new automated points.

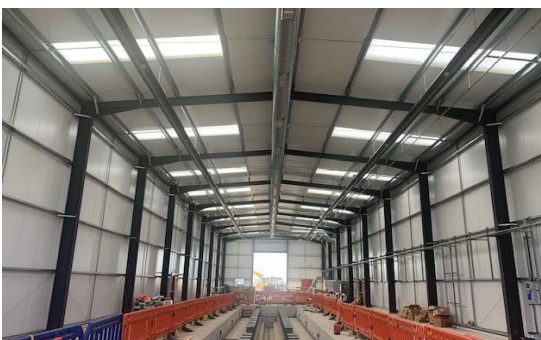
## The Solution

Existing bunded area cleared and new p-way siding constructed with vehicle crossing and track drainage. De-watering system put in place to enable pit excavation and main foundation formation in challenging conditions. Tandem wheel lathe procured and installed. Portal steel frame building constructed with insulated cladding panels and skylights. Power supply routed from existing building. Fume extraction system installed. Swarf conveyor constructed with reinforced external slab for waste skip.



## The Result

Despite challenging ground conditions, a brand new wheel lathe facility was delivered, comprising a new p-way siding, a tandem wheel lathe and a new building with administration office, plant room and kitchen area. Bombardier/Alstom were provided with a modern and upgraded depot and associated works to facilitate their continued maintenance work.



# Oxley Train Depot Extension

Integrated solutions for eleven new car Pendolino train sets. We extended and raised the building, included an inspection pit and extended the existing track.



Customer  
**Alstom Traincare**

Value  
**£1,900,000**

Location  
**Oxley, Wolverhampton**

## PROJECT OVERVIEW

- ▶ Cable Installation
- ▶ Concrete Foundations, Bases and Walkways
- ▶ Electrical Installation
- ▶ Fabrication
- ▶ Maintenance Pit
- ▶ P-Way
- ▶ Steel Structural Building
- ▶ Track Crossings



### 01 The Challenge

The roof of the existing building was raised to allow the building to remain watertight during the construction process. The beams, purlins and roof sheets were reused, providing a cost-saving to our client and reduced this projects carbon footprint.

### 02 The Solution

Building around and eventually re-routing optic fibre cables controlling the main call centres and track sensitive communications, utilizing cradles and shrouds allowing the client to fit the diversion in with their works programme. Changing metal key clamp handrail for the non conductive GRP handrail.



### 03 The Result

Working with the client ensured their maintenance regime was uninterrupted and allowed the project to be delivered on time to a demanding programme.

## Carriage Wash Installation at Holyhead

Delivery of a new carriage wash shed and facilities to wash trains on the sidings.



Customer  
**Network Rail**

Value  
**£1,600,000**

Location  
**Holyhead, Isle of Anglesey**

### PROJECT OVERVIEW

- ▶ Cable Installation
- ▶ Carriage Wash
- ▶ CET
- ▶ Concrete Walkways
- ▶ Design & Build
- ▶ Drainage
- ▶ Electrics
- ▶ Principal Contractor
- ▶ Water



### 1 The Challenge

Due to the increase in rail traffic, the client required a new steel carriage wash built on the railway's sidetrack. Network Rail required an additional maintenance road and shed facility to maintain the West Coast Mainline fleet. The new proposed shed houses a full-length 120 metres inspection pit.

### The Solution

The project required excavation works of the site, installing new reinforced tank foundations, galvanised steel frame erected, and purlins on the roof and sides with cladding. Further works included installing drainage and waste solutions, electrical works, and the carriage wash system.



### 2 The Result

The project was delivered within time and was awarded the Star Lite Award for Site Safety.

Our TrackPan product innovation ensures pollution control by containing and preventing the leaching of contaminants such as diesel, gasoline, chemicals, oils, contaminated water, effluent or any other liquid polluting the surrounding environment.



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