

A Changing World



Uig Harbour, Isle of Skye

Our last newsletter was published at the end of 2021. At that time, we were almost two years into the Covid Pandemic and also nearly 12 months since the formal Brexit rules had been clarified.

As we started 2022, Covid was still with us albeit in an apparently milder form. The Brexit rules took some time for everyone to understand but most businesses have adapted well to the changes. At Centura, it was important that we got back to normal trading and started to plan for the future. I would like to thank all of you for your individual efforts in achieving that, I know many of you have made significant personal sacrifices to help the company.

In business I have said many times that the most important part of a dynamic company is its ability to react to change, especially those changes over which it has no direct control. In 2022, we are truly living in a changing world. In February the war in Ukraine came along. That war is tragic for all the Ukranian people whose lives may never be the same again. But the effects of the war, just like Covid and Brexit are felt by each and every one of us. The most obvious is the huge rise in the cost of living. This has affected fuel and energy prices, food bills and the cost of most materials. Our companies can pass on some of these extra costs but many more must be absorbed. If the issue is not properly managed then inflation will continue to remain high and that will be extremely damaging to the economy as a whole and to each of us individually.

In April all Centura employees received a pay review to reflect these increased costs. Rest assured that the economy over the next few months will be closely monitored and the situation reviewed accordingly.

The Centura Group and its individual companies continue to perform well. The market is changing both by sector and by area. Traditionally our CRL operations in the South East have always been buoyant, but in the past 18 months there has a surge in activity in the North West and Scotland. The expected workload from our framework with National Highways will come on stream later in 2022 ensuring growth well in to 2023 and beyond. Issue 20 July 2022

The opportunities for our Survey teams continue to be strong. Equilux has seen growth in the number of high value tenders and is working hard to secure orders for the future. Whilst a little slow at present TLF is expecting the renewal of its government framework contracts to ensure a constant supply of future orders. Samuely is filling its order books with many smaller projects for a range of blue chip clients. Lifespan continues to identify ever more opportunities for its unique footbridges and is now looking at the wider market to boost its income whilst utilising the skills of its staff.

Our expected workload means that we need to increase our employee numbers at every level and across all our activities. We offer great career opportunities and are probably the best in the sector in providing training and personal development. Our employees remain our single most important asset. Many of you in the business now will be its leaders in the future. We will develop your careers so that you are fulfilled and in turn you will help develop others. This has always been the core strength of Centura and this great attribute will always continue.

It is indeed a changing world but Centura has always been adaptable and will continue to build upon its success long in to the future.

Tony Rimoldi Chief Executive

Samuel consulting Structural Engineers

Ltd

Lifespan Structures





A regular feature in this newsletter is to publish a scorecard showing how the group is preforming. The following tables has gathered together all the latest information from the current financial year.



ers

97% **Employees H&S Training Compliant**

1525

738

£37m

98%

246,750

£136m

Cash Flow

Overhead costs year to June

Group Business Plan Sales for Year to June 2023

	Target	Total	
Concrete Repairs Ltd	-		
Bristol	£8.5m		
Chesterfield	£7.5m		
Chesterfield Highways	£14.8m		
Falkirk	£8.5m		
Mitcham	£6.5m		
Australia	£4.4m	£50.2m	
CRL Surveys Ltd	£1.5m	£1.5m	
Standmark Ltd	£0.2m	£0.2m	
FJ Samuely Ltd	£0.4m	£0.4m	
Equilux Ltd	£1.5m	£1.5m	
LifeSpan Ltd	£0.4m	£0.4m	
Total Sales		£54.2m	

group gossip

The Group would like to welcome...

Adrian Pike, CRL HIGH Alec Tohovaka, CRL AUS Alla Spivak, CEN Andrew Siddles, CRL HIGH Anisha Patel, CEN Ching Hong (Jimmy) Ko, CRL HIGH Daniel Luck, CRL CHE David Cram, CRL AUS Dominic Burns, CRL SUR Drew Clark, CRL BRI Duncan Hynd, CRL FAL Elliott Moogan, CRL CHE Hayley Nimmo, CRL FAL Jack Davies, CRL BRI John McLeish, CRL FAL John Murch, CRL MIT Jonathan Thomson, CRL FAL Kanujan Ketheeswaran, CRL BRI Kian Sloan, CRL FAL Kieran Dolan, CRL FAL Kobe Smith, CRL AUS Mark Pettit, CRL AUS Matthew McCreight, CRL FAL Nicholas Leonard, CRL AUS Owen Henderson, CRL CHE Scott Dumycz, CRL HIGH Stephen Beddis, CRL BRI Steven Dunn, CEN Vanessa Dominguez-Perez, CEN Wai Kei (Wiky) Chu, CEN Wencila Goes, CEN Wiktor Gwozdz, CRL BRI

Say goodbye to...

Alejandro Salazar-Restrepo, CRL BRI Andrew Campbell, CRL FAL Christopher Gibson, CRL CHE Dee Harris, CEN Dionne Dunkley, CEN Gareth Matthews, CRL HIGH Gary Cooley, CRL MIT Gaynor Steele, CRL HIGH Jayden Pallo, CRL AUS Ken Loy, CRL CHE Lewis Peter Booth, CRL CHE Mark Cavanagh, CRL CHE Mike Peel, CRL BRI Neville Thomas, CRL BRI Nimisha Patel, CEN Ross Macpherson, CRL BRI Ryan Galvin, CRL SUR Ryan Picker, CRL SUR Shonagh Patterson, CRL CHE Trevor Stockdale, CRL CHE Vimbainashe Kanyangarara, CRL MIT

group gossip

Congratulations on promotions to...

Adam Anderson, CRL FAL Adam Drzazga, CRL MIT Adam Pinder, CRL CHE Adis Tuska, CRL FAL Alan Power, CRL MIT Carl Fox, CRL CHE Damien Fleming, CRL FAL Gary Dobinson, CRL CHE Georgijus Asanovas, CRL SUR Gerard McNulty, CRL CHE lan Callaway, CRL BRI Jay Harding, CRL BRI Jodi Brinton, CRL BRI John Bullen, CRL CHE Jonathan Bradshaw, CRL BRI Kevin M Gough, CRL HIGH Keysha Parker, CREL CHE Kieran Miller, CRL FAL Matthew Robinson, CRL CHE Nigel Pierce, CRL SUR Ryan Chesney, CRL SUR Scott Anderson, CRL FAL Shaun Swinbourne, CRL MIT Tristan Pease, CRL SUR

Site Manager Senior Site Manager Regional Estimator Site Engineer Supervisor Senior Project Manager Tradesperson Senior Site Manager Senior Survey Technician L3 Senior Quantity Surveyor L1 Project Manager Senior Tradesperson Southern Buyer North West Area Manager Project Manager Senior Project Manager Employee Development Co-ordinator Estimator Regional Manager Designate Survey Manager Survey Technician L1 Supervisor Senior Site Manager Survey Techician L1

CRL Mitcham

Valero Berth 2 - CP System Installation

Valero's Pembroke refinery, on the southwest coast of Wales, has been refining since 1964 and is one of the largest refineries in Western Europe. The refinery occupies a prominent position on the south bank of the Milford Haven Waterway and as such has numerous jetties, bridges and concrete structures which are required to be maintained.

The Bristol (& Mitcham) offices have been carrying out works on these concrete assets for Valero for over 10 years with the latest project being the repairs and installation of a 'sticky-back' Cathodic Protection (CP) system on the soffit and the longitudinal and transverse beam of Bays' 1, 5 and 6 on Berth 2. These works were the second phase of the project with Phase 1 having been carried out in 2021.

Firstly a delamination/hammer tap survey was carried out on all exposed concrete surfaces to identify any defective or spalled concrete, All defective areas of concrete were marked out and all surface fixture and services within the defective areas were removed and/or protected from any damage during the mechanical breakout. The perimeter of defective areas were then prepared as specified in BS EN1504.

All broken out/prepared areas were repaired using Mapei Rapid Planitop (which was compatible with the CP system being installed). Once all the repairs were complete the surface of the concrete to receive the CP system was high pressure cleaned to ensure any loose, or contaminated material of any kind was removed. Continuity of rebar within the areas to receive the CP system was checked (and established where necessary) and electrical connections between the anode sheets and the reinforcing was established with 2 connection per zone.

The CP system chosen for this particular project was the Mapeshield E25 which consists of adhesive zinc plates applied directly on the surface of the structure which then provides galvanic cathodic protection against the corrosion of the reinforcing in the structure.

The application process starts by removing the protective film from the zinc plates to expose the conductive gel. The sheets are then pressed firmly against the concrete ensuring that a perfect bond is formed and there are no gaps. A rubber roller and a wood block are then firmly pressed over the sheets to ensure that there is no air trapped between the sheets and the concrete.

Once the entire area requiring CP was fully covered with anode sheets, the electrical connection between the reinforcement and anode sheets were connected using mechanical fixings. The last step of the installation of the system was to apply two coat of Mapelastic Guard cementitious mortar onto the anode sheets. The design of the system was carried out by Mott MacDonald to BS EN 12696:2016 Cathodic Protection of Steel in Concrete and installed by CRL operatives certified to BS EN 15257:2017.











Heathrow Airport Terminal 4 MSCP

The Mitcham office has recently returned to carry out the repairs and refurbishment of the T4 MSCP at Heathrow Airport after a 2-year break during the Covid pandemic.

Heathrow Airport Limited (HAL) being one the UK's most significant construction industry clients, continually invest in the construction, refurbishment and repair of its infrastructure. Among its current projects is the refurbishment of the short stay multi-storey car park at terminal 4, which was officially opened by His Royal Highness Prince Charles and Princess Diana on 1st April 1986.

The MSCP at Terminal 4 was built in 1986. It consists of a concrete frame structure with insitu concrete decks. Over the years the concrete decks and beams have started to deteriorate, mainly due to corrosion of the reinforcement. This is caused by the vehicles tracking chlorides (from road salts) into the car park which then permeate into the concrete and initiate the corrosion process.

When HAL realised, they had a problem, a tender was issued and CRL were successful in securing phases 1 & 2. CRL has now been working on Heathrow T4 Car Park for over four years and having just completed Phase 3 when the pandemic struck, are now back on site after an absence of 2 years carrying out the concrete repair and strengthening works on the structure.

The scope of the works consists mainly of concrete repairs to the cross beam and columns of the car park. This includes propping, removal of the defective concrete by high pressure water jetting, grit blasting of the exposed reinforcement, placing formwork and re-instating the defective concrete using a Weber micro-concrete. Other works carried out include the removal and reinstallation of movement joints within the car park.

Working on one of the busiest airports in the world alongside the public and ensuring the car park remained in operation has provided many challenges. This has required CRL to work to extremely high standards as HAL have always insisted on a high level of health & safety, quality, and service. CRL has constantly worked closely with the clients' representatives and stakeholders which resulted in us completing Phase 3 snag free and to the high standard required within the industry.

We are confident that with the experience gained to date we are now able to move forward with HAL to carry out the ongoing works to the quality and standards that they require.



CRL Scotland

CRL Scotland's Away Mission for 2022

One of the most popular places for a holiday in the UK is The Isle of Skye in Northwest Scotland. The island is the largest of the Inner Hebrides and Uig Harbour, in the North of the island is the main route to the Outer Hebrides islands of Lewis, Harris and North and South Uist. Thanks to the Skye Bridge, built in 1995, the island is permanently connected to the mainland.

CRL were invited to tender for the repair works to Uig Harbour in early 2021 and submitted prices to several Contractors. In November 2021 CRL were appointed as specialist sub-contractor by RJ McLeod to carry out the concrete repairs to the inner and outer structures of the harbour.

CRL Contracts Manager, Gary Dunlop, started work planning this project immediately. Finding affordable accommodation for our workforce was a major challenge due to the soaring summer prices. Our solution was to buy six caravans and site them in Uig



campsite. After negotiations with the campsite owner and a trawl of local caravan suppliers we acquired six used caravans and towed them from Throsk (near Stirling) to Uig. This was a six-hour tow with many miles of single-track road to negotiate but it was completed successfully, and our site camp was established in Uig.

The project is split into two phases. Phase one is the pier approach structure and phase two, the pier head. Works to the approach structure involve installation of access platforms, hydrodemolition to the existing beams and soffits, and spray concrete repairs. Works to the pier head are similar to phase one but with added installation of pile protection collars to the upper sections of the support piles.

Works started in Spring 2022 and are currently progressing well on the first phase. The site team have become adept at getting the maximum working time out of the scaffold platforms between low and high tides. As with most marine structures, the concrete is in poor condition, making the breakout relatively easy, but we have had to work with the design engineer to sequence the works to ensure the integrity of the structure. The works to the first phase are now about 60% complete.

Working is Skye can be enjoyable in the summer, but on a job like this it's no holiday and the team led by Gary Dunlop and Stevie Brookes are to be commended for keeping the project on track. Phase one, while challenging, is probably the easier phase with the more exposed pier head of phase two still to come. We are very aware that the weather on Skye can become unpredictable later in year and the more we can get done in the summer months the better it will be for the project.

In true CRL fashion, the site team have integrated well into the local community and supported local causes. We provided barbeque equipment and garden furniture for an auction in aid of Ukrainian refugees. For another auction, one winner will have their name and message added to the finished surface of one of our larger repairs.



Coate Water Diving Board

This Art Deco reinforced concrete diving stage (board) was completed in June 1935 to a design by the Swindon Borough Surveyor JBL Thompson and listed in Nov 2013. It is located in Coate Water which is a large country park on the SE edge of Swindon, and comprises of a large lake, originally built as a reservoir for the now defunct Wilts & Berks canal.

It is located 30 metres offshore within the lake at Coate Water Country Park and stands in water 4-5 metres deep. Listed because of its 'rarity' it is one of only four inter-war concrete diving platforms known to survive in England and the sole example still located in a lake.

However, in 1958, due to a public health and safety concerns, swimming at Coate Water was forbidden and the diving platform effectively closed leaving the diving board to the waterfowl. To stop vandalism and errant members of the public using it illicitly the steps were blocked up. Though covered in slippery algae and toxic bird droppings, and having also lost its railings, the platform is generally intact and structurally sound.

After a consultation carried out by the Swindon Parks Survey last year, the majority of residents said they would like to see the diving tower repaired and refurbished to its former glory. A tender for the works was issued in February this year for the restoration and refurbishment of the platform which CRL Bristol won. The awarded tender value was £135k.



Part of the project award was CRL's commitment to the local environment. Waste timber from items such as pallets and packing will be recycled to local charities along with fabrication of new bird and bat box's to be located around Coate water park.

The works to the actual platform are fairly simple (as can be seen from the list below) with the major works being the design and installation of some form of access to the platform (bearing in mind that the diving board is located approximately 30 metres offshore within the lake) and the design and installation of the access scaffolding around the platform to enable the works to be carried out. An added issue which had to be taken into consideration when pricing the works was that the Park had to remain open to the public and fully operational throughout the duration of the project.

The works include; Design & install safety access pontoon and gantry to the platform, Design & install independent encapsulated access scaffolding around the platform, Clean the platform of all bird droppings & debris, Replacement blockwork to low level openings, Careful preparation of surfaces, (by hand; no high pressure washing allowed), Carry out any minor repair to defects, Design, fabrication & install Replica Steel Handrails and the Application of new specialist Rustoleum, protective decorative coatings.

Berw Road Bridge Refurbishment

RL Bristo



Berw Road Bridge is a Grade II* listed bridge located in Pontypridd, South Wales. It is also known as the White Bridge. The bridge was built in 1907 in association with L G Mouchel & Partners, pioneers of reinforced concrete construction and with a river span of 35m, was when built the longest reinforced concrete arch in Britain. In 1968 the bridge deck was replaced, and the remaining elements clad in gunite. In 2002 arch rib repair works were carried out to the bridge.

The road carried by Berw Rd Bridge is an unclassified 30mph road with a 7.5t Weight Restriction. Rhondda Cynon Taf County Borough Council (RCTCBC) wanted to increase the load carrying capacity to 40t. In 2018 CRL Surveys, in conjunction with WSP, was engaged to carry out a structural analysis of the bridge with a view to increasing the load capacity and at the same time to put forward options for a structural repair of the bridge to ensure future use. Initially CRL Surveys carried out a structural survey of the bridge's reinforcement make-up and condition of the underlying concrete, as well as checks on the condition of the existing gunite layer applied in the 1960's. It was found that approximately 60-70% of the gunite had started delaminating and WSP's Structural Assessment Report dated April 2020 confirmed the overall Load Rating for the bridge to be 7.5t.

Unfortunately, in March 2020 Storm Dennis landed and things ground to a halt. Following the flooding caused by the storms the bridge was closed as scour surveys found extensive undermining to the south pier foundation and the bridge was only re-opened to traffic with the original 7.5t rating once repairs had been carried out to the south pier and apron.

After a 10-month delay CRL were again approached to work with the Council in formulating a plan to repair and preserve the bridge. The Council were initially quite keen to knock the bridge down but as it was listed "as a major road bridge belonging to the first generation of reinforced concrete construction, a type of structure now exceptionally rare in Wales" this was not an option.

The Council were looking for a 50–60-year design life for the structure post repairs and it was decided to first carry out some trials to determine how easily the gunite could be removed (hydrodemolition was not an option due to the low concrete strength), what the condition of the mesh in the gunite was and how best to match the replacement gunite to the existing (to satisfy Cadw). It was found that there were areas of spalling underneath the gunite, and this would have to be allowed for in the price build-up. Different float finishes (steel & wood) were applied to the trial patches to give Cadw various options to choose from.

Following the trials Will Sinnott worked closely with the RCTCBC to scope the elements of the works (see below), produce a specification and a Bill of Quantities, acquire the design of Galvanic CP for repairs, obtain 'Listed Building Consent' and produce/ apply for a Flood Risk Activity Permit to carry out the works.

This ECI works, early engagement and assistance given to the client paid off and in May this year CRL Bristol were awarded a contract for £1.6m to carry out the works.

CRL chesterfield

Boulby Mine

CRL Chesterfield recently completed works on the manriding shaft at Boulby Mine. Located in the North York Moors National Park, the mine is the world's first and only Polyhalite mine. Polyhalite is natural multi-nutrient fertiliser and a source of potassium, calcium, magnesium and sulphur.

The main shaft building is a cast in situ concrete structure with primary and secondary steel reinforcement. It houses a steel sheave wheel and supporting structure that provides access to the UK's deepest mine to a depth of 1200m. The external elevation of the structure extends 45m above ground level and is 12.5m in diameter to the outer face with a 300mm thick concrete wall.

The shaft is approximately 50 years old and was in need of structural refurbishment. Significant areas of repair were required internally and externally on the shaft walls. There were areas of cracking and spalling as a result of corrosion to the reinforcing bars. This damage was likely caused by chlorides in the coastal air and in the mined materials. Internally, high humidity levels further accelerated corrosion.

CRL were appointed as Principal Contractor and structural refurbishment specialist with works commencing on site in October 2020. From the client's perspective, it was key to keep the shaft operational during the internal works.

Externally, the works involved the design and erection of a 45m high, fully encapsulated external scaffold around the perimeter of the shaft. Significant hydro-demolition works were carried out to remove 31m³ of defective concrete. Structural steelwork was then installed with the existing steelwork cleaned and fully prepared to remove rust and laitance.

More than 1500 sacrificial anodes were then incorporated with the concrete repairs to slow down the corrosion of reinforcement and prolong its life, thus enhancing the service life of the structure. The concrete repair mortar was then applied using a mixture of hand applied and dry spray techniques. The whole structure was thoroughly cleaned to remove all surface contaminants prior to two layers of anti-carbonation coatings being to help protect from future corrosion problems.



With over 57m³ of concrete broken out and replaced, several tonnes of structural steelwork installation, over 2700 anodes installed, over 3500m² of anti-carbonation coatings applied, whilst also strengthening key elements using Carbon Fibre, this project has seen a significant refurbishment utilising numerous structural rehabilitation techniques. The project was successfully and safely, circa 30,000 man hours worked accident free, delivered on time and to an excellent standard – all during the height of the pandemic.

The project has been an excellent example of why CRL's repair approach is preferable to a demolition and rebuild option. We were able to save an estimated 88.5% CO2e from materials, waste and travel emissions savings.

The project is being submitted for the Concrete Society Project Award and the CECA North-East Project Award.



CRL Chesterfield

Dunes Leisure Centre, Southport

CRL are close to finishing works to Splashorld, Dunes Leisure Centre in Southport. We we were employed to carry out the refurbishment of Splashworld, Dunes Leisure Centre following a number of key structural failures resulting in the closure of the facility a couple of years ago.

The works are based on a fifty four week programme and include the appointment of sub-contractors to carry out the grit blasting and paint coating system application to the internal steel structure due to topcoat debonding issues; removal of existing pool wall and floor tiling and preparation of the substrate with new tiling due to be installed shortly, as a consequence of improper installation from the original contractor; a number of concrete repairs will be carried out to the flume tower with sacrificial anodes expected to be installed and an anti-carbonation coating applied.

The works started in July 2021, with the internal birdcage scaffold being installed in two phases, in conjunction with the tiles being broken out, removed and the substrate being prepared. CRL have taken on the responsibility for protection of the building elevations and soffit, installing plywood sheeting to prevent any damage from the grit blasting to the steel framework.

Phase 1 of the coating system has been finalised with phase 2 on programme to be complete shortly. Following the disassembly of the scaffold the tiling subcontractor can commence works in the swimming pool and CRL can complete outstanding concrete repairs. The project anticipated completion is July this year with the Splashworld hopefully open to the public shortly after.



The scale of the project has allowed CRL to put significant emphasis on the social value aspect of the contract, delivering on a number of notable points:

- Access to Swim: 10 week programme for children in care to receive free lessons and swimming kits. 46 children participated in 2 rounds of the programme.
- Utilising local employment to the benefit of £26,000
- Use of local supply chain, Total Timber in Formby being our primary materials supplier.
- Community project donations including pallets delivered and donated to Make it Workshop CIC.
 Career guidance & STEM activities at Presfield High School & Specialist College.



CRL Highways

M6 River Dane - An Update

As part of National Highways strategic plans and under the existing Construction Works Framework, CRL is currently engaged in several bridge refurbishment projects within Area 10.

The River Dane bridge carries the busy M6 motorway around Junction 18, Holmes Chapel where it crosses the Cheshire estuary below. The reinforced structure was built around 1965 and had been subject to previous surveys which identified concrete repairs and ,in order to stem the corrosion in the years ahead necessary repairs were carried out and a cathodic protection system was also specified.

CRL's scope included survey, testing , removal by hydro demolition, reinforcement cleaning/ repair followed by concrete repairs and finally cathodic protection.

Well done to all the team involved, including Jose Castro, James Topping and Craig Steele.



Spotlight on... Adrian Pike

I recently joined Concrete Repairs Limited as Highway's Manager to support the Team, headed up by Dave Burgess. My role is to help facilitate the delivery and management of the National Highways framework schemes that the group has secured, specifically Construction Works Framework (CWF) and Scheme Delivery Framework (SDF).

My professional background has been within the building and civil engineering sectors spanning over 30 years and I've been involved in numerous new/refurbishment bridges and tunnels projects throughout the UK and internationally during this time.

I previously worked with Pitchmastic (later Dew Pitchmastic) and then Universal Sealants Limited (USL).

At Dew Pitchmastic, I was heavily involved with the Construction Management Framework projects which were initially piloted in 1998 and which provided the template, experience and momentum for all of the subsequent and the current highways frameworks.

At USL, I managed the international business and

was based in the UAE for 11 years looking after the specialist contracting businesses, applicator network and product support in Europe, MENA and Asia Pacific.

CRL has some exciting projects on the ground and great opportunities in the pipeline over the coming years and I feel privileged to have joined such a well respected , highly experienced and forward thinking business with a fantastic group of talented people and look forward to working with the team to bring about positive results.



Snapshot... What's happening in Australia

USTRONO

Fountain Gate

awarded the concrete repair works on Fountain Gate working across 7 stations installing bonded and unbonded shopping centre (\$750k) - CRL will be the Principal waterproof membrane. CRL have recently secured two Contractor on site. The scope of works are concrete repairs further contracts on two stations and have already begun and crack injection to the building façade (see attached works on these sites. photo). The project is estimated to take up to 6 months to complete.



CRL have engaged a subcontractor to manage the traffic control as half of the works will take place in the live car park of the shopping centre. All works will be carried out at height, working out of MEWP's and scaffolding to complete the repairs.

Melbourne Metro Tunnel

CRL Australia are pleased to announce we have been We continue works on the Melbourne Metro Tunnel Project,



To date CRL have installed over 67,000m2 of bonded and over 9,000m2 of unbonded waterproof membrane across the whole Melbourne Metro Tunnel project. CRL will continue works on this project into 2023.

Seaworld

We completed concrete repairs on one of Seaworld's CRL deliver another successful STP refurbishment project helipads in the Gold Coast, QLD. The underside of the for Downer Group, delivering the project on time and within helipad slab had some significant damage caused by budget. The project had a tight timeframe of 4-weeks corrosion, which resulted in areas of spalled concrete, across the two live plants as other works were scheduled delamination, and cracking.



The project had challenges at times as the site team had to deal with increased scope, high tides, and manage the environmental controls. However, they managed to overcome these and delivered a fantastic finished project.

Wagga STP Refurb

to take place. Careful planning and working closely with the Plant Operations Team was critical in achieving this deadline. This is the third project CRL Australia have completed for Downer and we look forward to working with them again in the future.



ACRA - (Australian Concrete Repair & Remedial Building Association)

In June 2022 CRL Australia was successful in securing a Corporate Membership for the Australasian Concrete Repair & Remedial Building Association Ltd. Jon-Paul Marrow will be giving a talk at the ACRA - Victoria Transport Infrastructure Seminar on the 28th July 2022 in Melbourne.

SNIDDETS A Call Out for STEM Ambassadors

CRL (& Centura) are looking for STEM Ambassadors in all regions to get involved in school and college engagements. Becoming an ambassador is free and easy (see website for details), and requires a minimum of one engagement per year. You don't need any previous experience and it could be as easy as attending one careers workshop at your local school, but there are plenty of other ways to get involved! Please contact Joe Came (jcame@crl.uk.com) if you are interested.



More information can be found here

Community Projects Scheme

Again, for those unaware, or don't take advantage of it, Centura has a Community Projects Scheme which can be used by all Group employees to actively serve the local communities in which they work and live.

To this end, up to three days paid absence will be granted per year to enable you to participate in an approved local community project. Schemes will typically involve care of the aged and infirm, projects for disadvantaged people, hospitals, community centres and other community initiatives. However, this does not extend to fundraising for charities, working in charity shops, or anything to do with your own family and friends help and requirements.

Anyone wishing to be involved must complete a Community Projects form; this can be obtained from the forms folder on the intranet or from the HR Department. If you wish, you may participate in the same project alongside colleagues, if approved by your line manager(s).

Site Observation App - A Reminder

A Reminder - for those unaware, the CRL site observation App up and running. Please use when on site.

Please follow the details on the attached poster that explain how to access the App, how to complete and submit observations relating to Safety, Environment or Quality as well as innovations.

The poster can be downloaded here

The dashboard can be accessed here

The form can be accessed here

The SHEQ group will review the observations on a monthly basis to identify any trends and key learning points. Any high risk items will be distributed immediately to Directors and RMs to ensure they are actioned.



Lifespan Structures

An Update...

Lifespan Structures have had a busy 6 months since the last Newsletter. We have doubled the number of staff employees with Steven Dunn joining the business to help Martin with business sales and marketing. Some of you will remember Steven from when he worked with Sika as a Regional Sales Manager and he then joined Remmers and was their Managing Director for several years. He has always been a good friend for CRL so we are pleased that he has joined the business. He brings a lot of experience which will be of benefit to all the Centura Group businesses. Lifespan Structures shares the same infrastructure market sector as CRL and CRL Surveys so Steven will be working in close collaboration with these businesses to maximise opportunities.

Local Councils often don't have the in-house resources to manage their bridges so we have launched an initiative to provide a complete footbridge management service which would include structural design services (Samuely & Partners), bridge inspection (CRL Surveys), bridge repairs (CRL) and new bridges (Lifespan Structures). Steven will be marketing this service in collaboration with the other Group businesses.



On the business front we have secured our first vehicle bridge order from Forestry England for two bridges in Ennerdale Forest in Cumbria. We have also received another order from North Yorkshire CC to supply a further 3 footbridges which will make a total of eight delivered to this Council over the last 5 years.

Our recent projects include Westons Farm footbridge for South Gloucestershire Council. CRL Bristol were the main contractors and we designed and supplied the footbridge which was a 12.5m span, 3m wide over a waterway. This was a good example where we were able to introduce CRL Bristol as the installer for the bridge without the need for competitive tendering.

Next year 2022/23 is already looking good with a strong carry over order book to start the new financial year.

Equilux

Royal Mail Group - Greenwich Mail Centre

Equilux completed the merger of the Royal Mail Group delivery offices in Greenwich with the Charlton Delivery office and Blackheath delivery office. The project involved the creation of a new mezzanine floor space, welfare and offices. This project required strategic planning as the site is fully operational 24hours a day 7 days a week. Equilux installed new power, lighting, heating, water, gas, security and fire systems to the refurbished and new construction areas whilst keeping the site fully operational.

Equilux took on full design responsibility for the M and E following the insolvency of the project designers.

Value: £380,000



Royal Mail Group - Brighton Mail Centre

Equilux was appointed by Vinci Construction to conduct the essential Mechanical and electrical maintenance works to Brighton Delivery Office. Our works consisted of inspection, testing and remedial works for, Main LV wiring, Passenger goods lift inspection and repairs,LTHW heating systems repairs, electrical services remediation based on the 2020 year electrical testing and inspection certificate, lighting protection system, builders work and a new BMS controls system.

Equilux also installed replacement, AHU ventilation and heating service across various areas, installing additional wall/ window/ducted reversible ventilation fans and heating service via the refurbished air handling plant. These works became essential after the failure of existing plant during the covid pandemic.

Value: £540,000



Samuely

Britton Farm, Gillingham

We are appointed to design a new 6 storey residential block comprising 44 units. This is a steel framed building with precast concrete floors. There are 6 floor levels and the building is to be constructed over and existing car park.

There are a few tricky issues to overcome: there was a car park on the site originally and there are quite large mass concrete foundations in the ground that inevitably clash with our proposed new piled foundations. Should we remove them? Core through them? Break them all out?

And then there is the grid for the new building. The wall lines for the new residential units don't line up with the parking bays in the basement. So we've had to introduce a steel transfer deck at ground floor. Its pretty deep of course and this means headroom is tight.

Construction starts late 2022. Overall value: £7.5m.



Mortlake Road, Richmond

The High Street fashion chain Jigsaw (and 159 for those who follow this sort of thing...) are rationalising the building they own. This involves improving the layout of the main Studio building (a mid 1800's house with lots of later add ons) and the reconstruction of the workshop buildings (rumoured to be where Dodge built trucks in the mid 20th century...known as Kew Dodge).

The aim is to provide high quality commercial space within a green environment. So there are green roofs, ground source heat pumps and an emphasis on re-use of as much of the existing buildings as possible.

Construction starts late 2022. Overall value: £9.5m.



Social Value

Erdington United FC Sponsorship - Renewed

CRL Highways have renewed their sponsorship of Erdington United FC for a second season. Erdington United are local to CRL's Gravelly Hill site in Birmingham.

The club, formed in 2014, are a FA charter standard club and have been acknowledged as a Kick It Out ambassador club. The grassroots, community-focussed club, is looking to expand and start youth and women's teams and CRL and proud to support such an ambitious club.

EUFC compete in the Sutton & District Division 1. Last season, they won the Festival League Division 2 title and reached the Gordon Bagnall Cup final (with a crowd of over 700). We wish them continued success in the upcoming season in their new league!



Great British Spring Clean - P86



April saw CRL operatives at our Graveley Hill site in Birmingham took part in the Great British Spring Clean. In the spirit of 'One Bag, Big Difference', our operatives spent a couple of hours litter-picking along the Birmingham and Fazeley Canal, close to site.

The Great British Spring Clean brings together communities, councils, businesses and other groups to work hard to clean street litter and make Britain's streets, parks, waterways, beaches and countryside safer and cleaner. We are proud to play a small role in improving the surrounding areas where we work.

Our three operatives picked up 14 bags of litter along the canal, making a big difference to the area. Well done and thank you to all involved and we look forward to participating next year!

social Value

Reach Flower Pod, Southwell

CRL Chesterfield recently teamed up with Flower Pod in Southwell to repair and restore outdoor facilities. Flower Pod is a social enterprise in Southwell, Nottinghamshire that offer people with learning disabilities the opportunity to enrich their lives through horticulture and associated activities.

Six CRL colleagues spend two days on the Flower Pod site, completing multiple projects and meeting the wonderful clients and volunteers.

We finished replacing and repairing sections of wooden retaining wall which were had become rotten and unstable. Having successfully restored the wall, it is now safe and strengthened to hold flower beds in place on either side of the path. Better still, we were able to use wooden sleepers that Flower Pod had collected but had not found use for – great to inject life back into spare timber!



Pontoon Repairs, Maidenhead Rowing Club

In May, CRL Mitcham teamed up with Weber UK to provide surface repairs to pontoon decks at Maidenhead Rowing Club. The club is a registered charity and home to recreational, competitive and Olympic standard rowers of all ages.

The pontoons at the club had eroded over time and started to crumble. This provided a danger to users and a risk of damaging equipment. Weber provided free issue repair materials and carried out the works with the help of one of our operatives.

CRL and Weber completed the works within two days and with minimal inconvenience to the club and rowers. Now the pontoons are safe and will remain in great condition for years to come.









Environment

10 Tonnes of Wood Saved From Landfill!



In June, P86 Gravelly Hill Site reached the 10 Tonne landmark for diverting wood from landfill and to be reused and recycled. CRL have been working with Community Wood Recycling to reduce our environmental impact on the project and help create jobs and training opportunities for disadvantaged peope in the local area.

Community Wood Recycling is a network of social enterprises who collect and reuse waste timber to reduce waste and create sustainable jobs. They reuse timber in many ways such as repairing pallets, providing communities with wood for DIY and building projects, selling firewood and making a range of wooden products to sell on. Any wood they cannot reuse is recycled into chipboard so nothing is wasted.

We look forward to reaching more milestones!



CRL's Freediving Champion!

Congratulations to Adam Drzazga for representing the UK in the 28th AIDA World Championships in Burgas, Bulgaria. Adam competed in freediving events, most notably the Dynamic with Monofin (DYN) where he achieved a 200m dive on a single breath – Adam's best dive of the year. Please see the photos below and you can find more information on AIDA's website.



CRL's Nightwalk Champion!

Congratulations to Sandra May for her outstanding 14km Night Walk on Snowdon Summit in June. Her sponsored night walk raised a whopping £1,140 for Meningitis Now, in memory of Eva Davidson. What a great achievement for a very worthy cause. Sandra braved -1 wind chills and the pitch black to complete her trek alongside fellow walkers.



Recent Achievements!

Congratulations to the following colleagues for their recent achievements:

Jose Castro - NEBOSH Certificate in H&S Management Adam Drzazga - Chartered Member of CIOB Adam Drzazga - NEBOSH Certificate in H&S Management Nigel Roper - IEMA Certificate in Environmental Management Well done all!