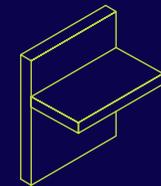


Leviat is a global leader in lifting, connecting and anchoring technologies for the construction and industrial sectors.

We **imagine, model** and **make** engineered solutions and innovative products that enable safer, faster, stronger, more sustainable construction.



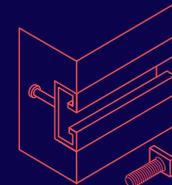
Lifting
& Bracing



Structural
Connections



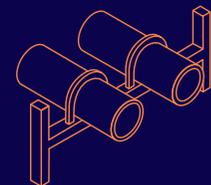
Façade Support
& Restraint



Anchoring
& Fixing



Formwork &
Site Accessories



Industrial
Technology

Why Choose Leviat?

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Our Values

At Leviat, we are united by common values that underpin the way we think and behave. These are the promises we make to our customers and each other every day.

Safety

Above everything else

Collaboration

We are stronger together

Customer Focus

We put our customer at the heart of it all

Innovation

We find a better way

Integrity

We do the right thing

Product Ranges

Leviat is the home of these trusted product ranges covering a wide selection of lifting, connecting and anchoring technologies.

Ancon

Halfen

Plaka

Meadow Burke

Aschwanden

Connolly

Moment

Helifix

Isedio

Scaldex

Thermomass

Modersohn

Heritage

Leviat was formed in 2020 when CRH's construction accessories companies united in a single, global organisation – bringing together the expertise, resources and heritage of market-leading businesses including Ancon, Halfen, Meadow Burke and Plaka.

We are built on strong foundations. From early industrialists with revolutionary manufacturing techniques to inventors of pioneering construction technology, we have an extraordinary legacy that continues to inspire us today.

We have the same curiosity and passion for innovation we've always had, and now enhanced capabilities to realise even more ground-breaking ideas.



George Clark
circa 1920s

The name **Leviat** reflects both the coming together of our legacy businesses and our innovative product technology. The Latin 'lev' means to lift (e.g. levitate, elevate) and the names Levia and Levi mean to 'combine forces' and 'join in harmony' respectively.

| | | | | | | | | | |
|--|---|--|--|--|--|---|--|---|---|
| <p>Origins of Ancon. Company founded by George Clark, UK.</p> <p>Our first patented invention was a revolutionary steel blanking machine that reduced scrap material.</p> | <p>Origins of Meadow Burke. Meadow Steel founded, USA.</p> | <p>Origins of Plaka. Plakabeton founded, Belgium.</p> | <p>Our first high performance shear load connector was launched.</p> | <p>Our first punching shear reinforcement system was launched.</p> | <p>Our first thermally reinforced balcony system was launched.</p> | <p>Origins of Connolly. Connolly Key Joint founded, Australia.</p> | <p>CRH acquires Plaka starting a successful expansion into construction accessories and subsequently acquires the other brands listed here.</p> | <p>Our first Queen's Award for Enterprise.</p> | <p>Our first Top 100 Innovator award.</p> |
| 1882 | 1937 | 1961 | 1978 | 1982 | 1985 | 1990 | 2003 | 2012 | 2015 |
| 1925 | 1949 | 1976 | 1980 | 1984 | 1988 | 1991 | 2009 | 2013 | 2020 |
| <p>Origins of Halfen. Jos. Halfen Union Baueisenfabrick founded, Germany.</p>  | <p>First approval for our Anchor Channels.</p> <p>First patent for our mechanical reinforcing bar couplers.</p> | <p>Origins of Aschwanden. Company founded by Franz Josef Aschwanden, Switzerland.</p> | <p>Thermomass founded, USA.</p> | <p>Helifix founded, UK. Originator of the one-piece helical wall tie.</p> | <p>Our first safety-ended cavity wall ties were launched.</p> | <p>Moment founded, Malaysia.</p> | <p>Isedio founded, UK.</p> | <p>Our first Architects' Darling award.</p>  | <p>Formation of Leviat. CRH's construction accessories businesses unite as Leviat.</p> |

Scale

We are 3,000 people, operating from 60 locations across North America, Europe and Asia-Pacific. Together, we are one team.

Every promise we make locally is backed by extensive international resources.

Our global supply chain, covering procurement, production and logistics, helps keep your projects on track, wherever they are. With manufacturing facilities on four continents we offer consistent lead times, even on bespoke made-to-order solutions.

And it doesn't end there. As a CRH company, Leviat is part of the world's leading building materials business providing additional scale and stability to our operations.



Global Best Practice

Performance

We embrace digital technologies that enhance the customer experience and boost our productivity. Proprietary design software streamlines product selection and ordering, and helps the detailing of construction plans. Smart technology provides the analytics that drive our continuous improvement programme, managed through Lean Six Sigma operational excellence methodology.

Safety

Safety is our top priority and at Leviat we are united in a common goal – that no one is hurt at work. We implement stringent safety management systems at every location, going beyond the demands of legislation to ensure Leviat provides a safe, healthy and caring environment.

>3,000
People

60
Locations

~20
Countries

23
Manufacturing sites

Sustainability

We recognise we have an important role to play in the development of a more sustainable future for our industry, society and planet.

We are committed to measuring, reporting and continuously improving our sustainability performance.

Our key areas of focus are lowering our carbon footprint towards carbon neutrality and innovating engineered structural solutions for a more sustainable built environment.



Sustainable Construction

Leviat is at the forefront of a changing global construction market, where demand for more sustainable products continues to grow and evolve.

We acknowledge this challenge and our responsibility to design and manufacture construction solutions that contribute to the development of smart sustainable cities.

Our core offering includes innovative ways to improve thermal and acoustic performance, helping our construction partners create structures with superior sustainability performance – reflected in green building rating schemes such as BREEAM, LEED and PassivHaus.

Visit leviat.com/sustainability for more information.

Decarbonisation

We continually rethink and redesign our products and processes to support the transition to a low-carbon, circular economy.

We prioritise resource efficiency, the use of recycled materials and the design of no/low maintenance, recyclable solutions.

'Green' Energy

We continue to increase our use of 'green' and own site generated energy, like our solar panels in Brisbane, Australia.

Engineered Solutions

We are engineering experts in our field. We develop innovative products and solutions to address the structural engineering challenges of ambitious construction projects.

We help our clients navigate codes and standards, define product and performance specifications and detail custom solutions for special applications.

We're with you every step of the way, designing and delivering integrated lifting, connecting and anchoring systems – improving site safety, construction efficiency and building performance.

Collaborative, High-trust Relationships

We work in genuine partnership with our clients, building trust through our engineering expertise, responsive local services and the reliability of our finished products.

Through our global outlook, we anticipate building and design trends and the adoption of construction standards across geographies, ensuring our products and solutions stay ahead of market requirements.

Technical Support

We provide technical assistance at every stage of the construction process, from initial architectural concepts to detailed structural plans and their execution on site. Our support services range from general advice and simple product selection to the development of fully customised and digitised design solutions.

Our local technical resources are backed by teams of global product category experts, available to solve unusual or more demanding engineering challenges and arrange for timely local product certification and testing as required.

Our digital engineering tools include industry-leading calculation and design software, and BIM objects, interfaces and design services.

Custom Solutions

Examples of custom design solutions we have developed in close collaboration with our clients.

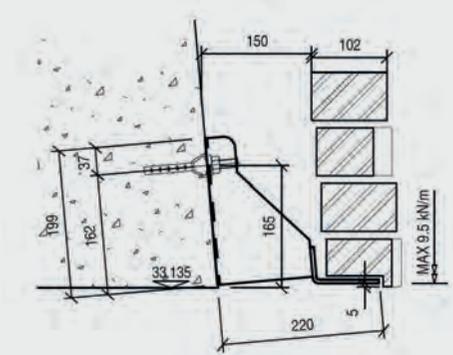
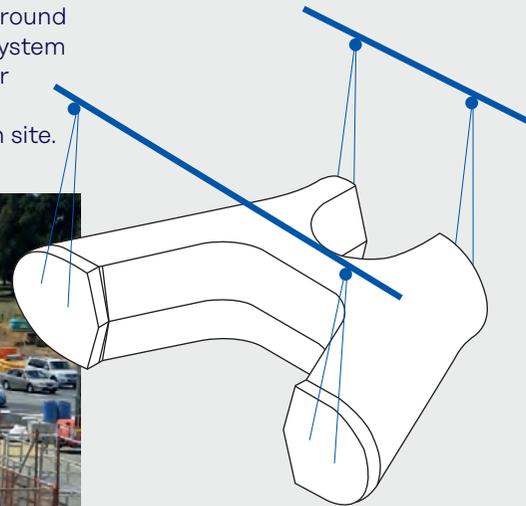
Lifting Design

**Wanneroo Overpass Bridge,
Perth, Australia**

A lifting anchor system was designed and supplied for these huge 36.8 tonne precast concrete piers.

The lifting design enabled the safe and efficient rotation, transportation and installation of the units. Anchor points were positioned to leave the smooth architectural finish unmarked.

Our detailed lifting diagrams helped ensure all lifting operations were undertaken quickly and safely, and with minimum disruption to traffic around the site. An innovative rigging system was developed to enable mid-air rotation of the elements at the casting yard, ahead of arrival on site.



Brick Support

**Student Centre,
London School of Economics, UK**

A unique masonry support and restraint system was designed and manufactured for this intricate architectural façade.

The system comprises special angled support brackets, designed to follow the line of the structure and accommodate the specific load and cavity configurations throughout the project. Also hidden from view behind the brickwork are bespoke vertical posts, featuring surface-fixed channels to accept cavity wall ties, which restrain the areas of perforated masonry.



Product Modification & Testing

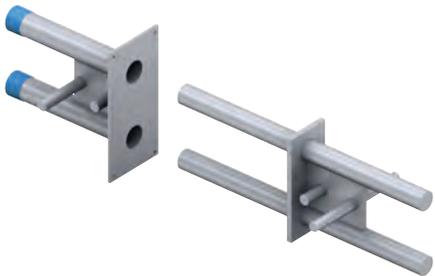
Brightline High-Speed Rail, Viaduct,
Miami, USA



Our double-dowel shear connectors accommodate movement and transfer load across joints in this elevated concrete deck. The standard design of these connectors was modified to meet the specific performance requirements of this railway superstructure.

Part of the product modification included the removal of welds in the design, with the dowel bars innovatively clamped in position instead.

To meet the acceptance criteria for the project, the dynamic loading behaviour of this new product design was laboratory tested. The required performance was successfully proven over 10 million cycles, corresponding to a service life of 75 years.



Exoskeleton Solution

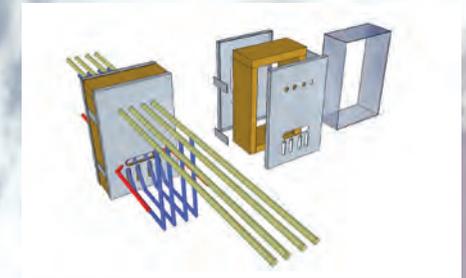
BNP Paribas Fortis Headquarters,
Brussels, Belgium

Featuring an unusual exoskeleton of white precast concrete columns, this impressive office building required a special thermal break solution to meet its structural and sustainability performance requirements.

Special heavy-duty connectors were tailor-made for the joints between the aesthetic external columns and the internal concrete floor slabs. These insulated connectors, designed using BIM technology, ensure structural integrity by transferring substantial tension and shear loads, and contribute to the overall energy efficiency of the building envelope by minimising heat loss.

In addition, the connectors were filled with mineral wool insulation to meet fire resistant performance requirements and featured an EPDM sealing strip to waterproof the final installation.

This building is certified BREEAM 'Excellent' and 'Passive House'.



Local Support

We combine the benefits of scale with the personal touch of a local supplier and partner.

Our sales and engineering teams, based in more than 20 countries, provide help and expertise when and where it is needed.

A responsive, localised service and extensive knowledge of construction codes, techniques and materials are the foundations of our high-trust relationships with architects, engineers, precasters and installers.



Local Knowledge

International Expertise

10
Time Zones

12+
Languages

Inclusion & Diversity

We are proud of the cultural diversity of our team and the different perspectives and ideas this brings to our business.

We are committed to having an inclusive culture that attracts, develops and retains a diverse group of people and empowers them to be their best, professionally and personally. Our Inclusion & Diversity Council, along with our leadership teams, provide strategic direction, oversight and accountability in this important area.



Trusted Products

The reliability of our products gives clients the confidence to 'fit and forget', trusting our engineered solutions to provide the designed performance throughout the life of the structure, even in the most challenging applications and environments.

Often small in size, our products have big responsibilities. They form robust, resilient structural connections between elements giving the overall building its strength and stability, and even enhance thermal and acoustic performance so we can live more comfortably and sustainably.

Quality & Approvals

Our products comply with a wide range of national and international standards and many are independently certified by leading authorities such as CARES, CREAM, DCLD, DIBt, DOT, ICC-ES and KOMO; often requiring routine type testing and production facility audits that provide additional quality assurance. Documentation includes European Technical Assessments, Environmental Product Declarations and Passive House Component Certificates.

| | | | |
|-------------------|-----------------|-------------------|---------------------|
| Ancon | Halfen | Plaka | Meadow Burke |
| Aschwanden | Connolly | Moment | Helifix |
| Isedio | Scaldex | Thermomass | Modersohn |

From the safe handling of precast/tilt-up elements to robust structural connections and the secure fixing of the finished architectural façade, we have solutions for all construction phases. 



Application Areas and Key Product Categories



Lifting & Bracing

Systems for the safe and efficient transportation, lifting and temporary bracing of precast elements and tilt-up panels before permanent structural connections are made.



- Flat, socket and spherical head lifting anchor systems
- Lifting loops
- Bracing systems and accessories



Structural Connections

Systems to form robust, efficient connections, and continuity of concrete reinforcement as necessary, between walls, slabs, columns, beams and balconies, providing structural integrity as well as enhanced thermal and acoustic performance.



- Reinforcing bar couplers
- Reinforcement continuity systems
- Punching shear reinforcement
- Insulated balcony connectors
- Shear load connectors
- Acoustic dowels and bearings
- Precast concrete connectors
- Composite columns
- Floor jointing systems

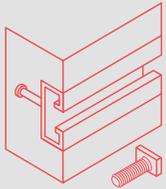


Façade Support & Restraint

Systems for the safe and thermally-efficient fixing of the external building envelope, including brick and natural stone, insulated sandwich panels, curtain walling and suspended concrete façades, and also the repair and strengthening of existing masonry installations.



- Masonry support and lintels
- Cavity wall ties and other restraints
- Windposts and masonry reinforcement
- Precast concrete panel anchors
- Sandwich panel connectors including glass-fibre anchors
- Masonry repair and seismic upgrade systems

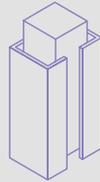


Anchoring & Fixing

Systems for fixing secondary fixtures to concrete, including anchor channels, bolts and inserts; also tension rod systems for roofs and canopies.



- Anchor channels and bolts
- Threaded inserts
- Post-installed anchors
- Tension rod systems
- Elevator installation/maintenance systems

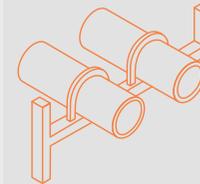


Formwork & Site Accessories

Non-structural accessories that complement our engineered solutions and help keep your construction environment operating safely and efficiently, including high quality moulds for casting standard and special concrete elements on and off site, and construction essentials such as reinforcing bar spacers.



- Temporary and permanent formwork solutions
- Rebar support and spacing products
- Bridge deck hangers, brackets and hardware
- Construction chemicals



Industrial Technology

Mounting channels, pipe clamps and other versatile framing systems that provide safe fixing in a wide range of industrial applications.



- Mounting channels and accessories
- Modular pipe support systems
- Versatile positioning systems

Sectors

From the build of new schools, hospitals, homes and critical infrastructure, to the repair and maintenance of heritage structures, our engineering skills and product technology make a difference around the world.

We help turn architectural visions into reality.

We support a project's design and construction teams with engineering assistance at every stage of a project, from initial planning to installation and beyond.

Residential construction



8 Loftus Street – Sydney, Australia



Henninger Turm – Frankfurt, Germany



Torri Residenziali Varesine – Milan, Italy

Non-residential construction



Burj Khalifa – Dubai, UAE



World Trade Center – New York, USA



KLCC Twin Towers – Kuala Lumpur, Malaysia

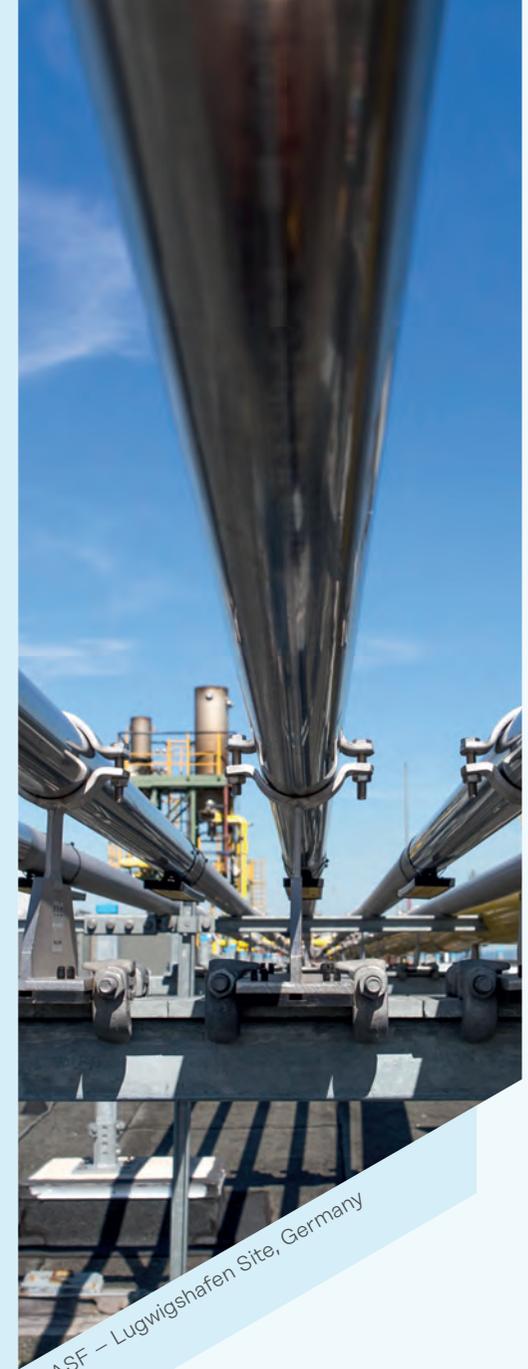
Civil engineering and industrial



Queensferry Crossing, UK



Turtmann Tunnel, Switzerland



©BASF – Lugwigshafen Site, Germany

A CRH Company

At CRH, what we make is essential to life and living; that's why we work to make it even better. We rethink, reimagine and reinvent solutions for the built environment – making homes, buildings and infrastructure that stand the test of time.

CRH is the leading building materials business in the world, employing c.73,000 people at more than c.3,200 operating locations in 29 countries. We are the largest building materials business in North America and in Europe and have regional positions in Asia.

CRH is ranked among sector leaders by Environmental, Social and Governance (ESG) rating agencies. A Fortune 500 company, CRH is a constituent member of the FTSE 100 Index, the EURO STOXX 50 Index, the ISEQ 20 and the Dow Jones Sustainability Index (DJSI) Europe. CRH's American Depositary Shares are listed on the NYSE.

For more information, please visit www.crh.com





Imagine. Model. Make.

Leviat.com