

## Fast and reliable light rail system for Canberra, Australia

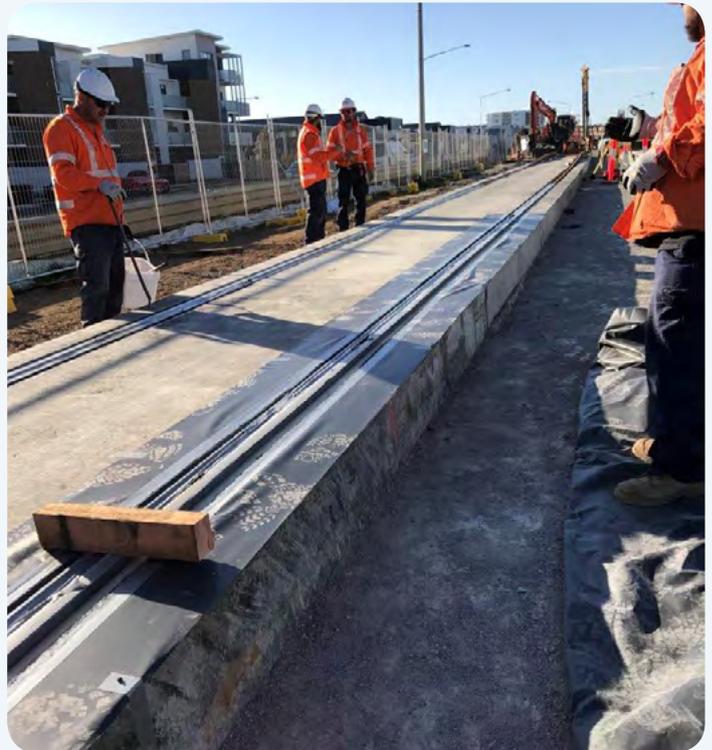
As part of the new Canberra light rail network in Australia, edilon)(sedra recently began the installation of more than 500 m of Corkelast® ERS (Embedded Rail System) throughout various locations in the city.

Working in close cooperation with the prime contractor John Holland, edilon)(sedra Australia delivered materials and equipment for the installation of Corkelast® ERS. The new track installation with Corkelast® ERS covers 12 km in total.

The Canberra light rail project provides convenient access to the city centre and Northern suburbs for commuters who would normally use other, less environmentally friendly modes of transport. Moreover, the development of housing along the light rail route is being encouraged and Corkelast® ERS was chosen in part, due to its favourable noise and vibration reducing characteristics, which are of particular concern in residential areas and urban centres.

The completion of the Canberra light rail network is scheduled for the end of 2018.

*Installation of edilon)(sedra Corkelast® ERS in Canberra, Australia >*



## Hardbrücke Zürich officially opened

On Friday the 8<sup>th</sup> of December 2017 the opening of the new Hardbrücke in Zürich, Switzerland was happily endorsed. During the opening ceremony which took place in Zürich Hardplatz, tram operator VBZ Züri-Linie and edilon)(sedra presented the project details and benefits to the public.

Last November 2017, edilon)(sedra completed the installation of 2 tram tracks with its Corkelast® ERS (Embedded Rail System) on both the Hardbrücke and the new 'Pfungstweid' ramp.

Have you seen the official video from VBZ Züri-Linie about the Hardbrücke project in Zürich, Switzerland? >>>



Click on this image to open the video



Click on the image above to start the video

## How to upgrade an existing steel railway bridge and extend its lifetime

**Have you seen our short video about the rail replacement on the Moerdijk bridge in The Netherlands?**

The video shows how a Corkelast® ERS (Embedded Rail System) rail replacement on a large and heavy duty train bridge is implemented today. What are the challenges? How can a smooth workflow be accomplished within a constricted working environment, stringent waste management practices and a limited working schedule? Which state-of-the-art solutions are used to limit vibrations and future maintenance costs?

## State-of-the-art waterjet robot for Moerdijk bridge project

At edilon)(sedra our approach to sustainability starts with running a safe, efficient and responsible business. Our aim is to help shape a more ecological future for the rail infrastructure by investing in green technologies and collaborating with responsible partners on global rail infrastructure challenges.

One recent innovation we have developed for use on rail replacement projects is a state-of-the-art waterjet robot.

In the summer of 2017, edilon)(sedra participated in an exceptional logistical challenge which involved replacing 2.200 m of rail on the Moerdijk bridge in the Netherlands, in a very short period of time. To assist in this project, and for future rail replacement projects, edilon)(sedra developed the new waterjet robot. This robot was used to clean the rail channels in a quick and sustainable way to ensure optimal fixation of the edilon)(sedra primer and Corkelast®.

A particularly innovative feature of the robot is the 'exhaust system' which prevents contamination of the underlying river water.

The result? A short possession time of the bridge, sustainable bridge tracks and no contamination of the river water!



*The edilon)(sedra waterjet robot*

## edilon)(sedra Iberia and edilon)(sedra Application Engineering join forces

**We are pleased to announce that edilon)(sedra Ibérica S.L.U. and edilon)(sedra Application Engineering will be concentrated under one roof in Madrid, Spain.**

On the 1<sup>st</sup> of January 2018 we will officially open our new office in Alcobendas Madrid, which functions as a sales and technical support centre for our Spanish entity and their worldwide customers.

For over 35 years edilon)(sedra Iberica successfully provides Spanish clients with Corkelast® ERS, Corkelast® EBS, Trackelast® and SDS-M. With impressive references in all segments of the rail industry the company is alive and kicking, ready for a next step in their strategy to extent added value services to their portfolio.

edilon)(sedra Application Engineering provides railway track engineering, system implementation and project management for the entire edilon)(sedra Group.

The synergy of the two companies activities under one roof therefore is obvious.



*The new edilon)(sedra office in Madrid, Spain*

# Recent projects highlighted

## What?

Installation of 1.800 m<sup>2</sup> of edilon(sedra Trackelast® STM/RPU/Blue mats for tram line.

## Where?

City centre of The Hague, The Netherlands

## Why?

Minimise dynamic loads and vibrations in the historical and densely populated city centre. Excellent electrical insulation.

## For whom?

The Hague tram operator HTM



## What?

Teesport phase III. Crane rail replacement on the third phase of the Teesport Docks renovation. 484 m of rail. System: edilon(sedra Corkelast® CRS (Crane Rail System).

## Where?

Teesport Docks, England

## Why?

Drastic increase of system life cycle. Stable rail position: high creep resistance in combination with high longitudinal rail restraint and stiffness. Optimal corrosion protection. Short possession time: installation period of 3 days.

## For whom?

PD Ports

## What?

Realisation of the new combi terminal 'New Arken'. 687 m of Corkelast® ERS (Embedded Rail System) installed within 3 weeks according to planning, despite the very poor weather conditions.

## Where?

Gothenburg, Sweden

## Why?

Reach stackers (110 t front axle loads) have to reach the 3rd track. Virtually maintenance free system.

## For whom?

Port of Gothenburg



## What?

Track renewal of zone 1 and 3 of the Eurotéléport station. Installation of 130 m of edilon(sedra Corkelast® ERS (Embedded Rail System).

## Where?

Roubaix, France

## Why?

The former 'jaquette' track installed in 1998 required rail replacement. The old track has been removed by sawing the concrete on both sides of the rails, after which the new rails were installed with Corkelast® ERS in the channel.

## For whom?

Métropole Européenne de Lille



# edilon)(sedra's 7<sup>th</sup> Technology Forum - 'Track Alignment'

On the 26<sup>th</sup> of October 2017 edilon)(sedra's 7<sup>th</sup> Technology Forum on 'Track Alignment' took place in Unna, Germany. Organized in collaboration with the FEHLINGS group, the forum attracted over 50 guests from transportation businesses, rail construction companies and railway planners.

The programme offered cutting-edge examples of how best to restore and expand urban and regional railway infrastructure. Among many other things, the edilon)(sedra Editack system (the innovative insulation spray for direct current railways) was presented to the participants. As well as the development of a new filler block element with artificial turf, which lead to stimulating discussions on the future of grass track.

We are looking forward to meeting you at the next edilon)(sedra Technology Forum.



*edilon)(sedra's 7<sup>th</sup> Technology Forum in Unna, Germany*