

Dürr Technik

Oil-Free, Customisable Air Compressors for the Rail Industry

Dürr Technik is a well-established manufacturer of oil-free air compressors. Over the past decade the company has focused on developing a number of products designed specifically to meet the needs of the rail sector.

Railway-News caught up with Can Bora, Dürr Technik's Sales Director Mobility, to discuss the company, its solutions and its focus on sustainability, customisation and ongoing support.

Railway-News: So, could you tell me about Dürr Technik?

Can Bora: Dürr Technik is a low-volume specialist manufacturer of oil-free, customisable air compressors. The company began life in Germany in the 1940s making dental tools and over the years has expanded to support a much wider range of industries.

We were the first company to bring out an oil-free compressor, and continue to invest in innovation in order to offer our customers products they can't find anywhere else.

Just under a decade ago, we purchased a main air compressor company in France which had extensive experience fitting these to trains. We added this knowledge to our own to develop a new oil-free main air compressor perfectly suited for today's rail industry where sustainability is key.

RN: And what is your role at the company?

CB: I'm head of the mobility business unit and deal with all the rail-related projects coming in from around



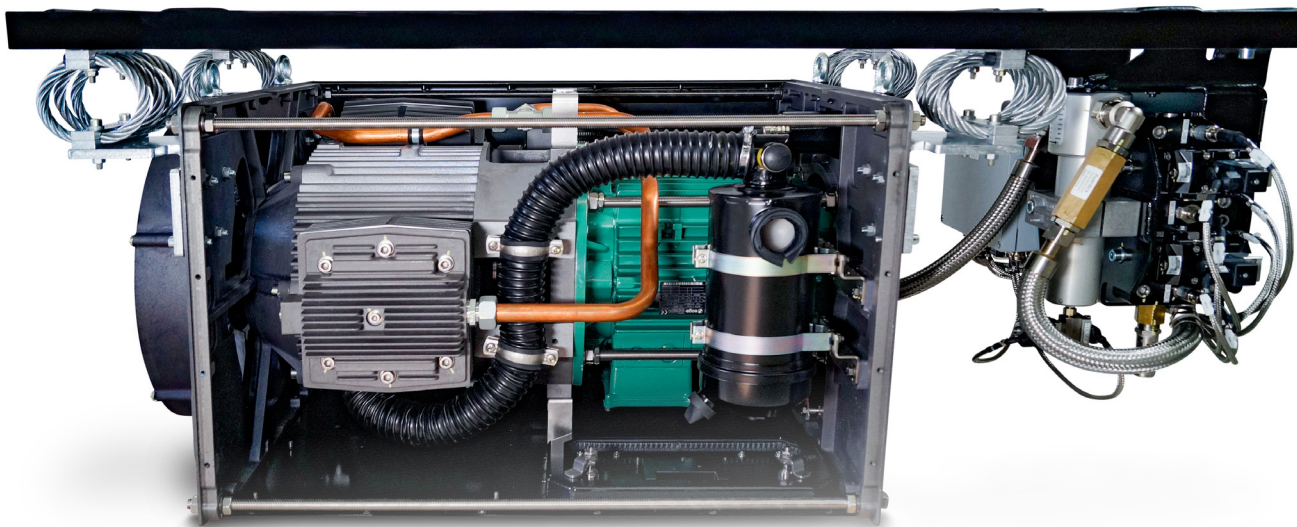
*Can Bora
Sales Director Mobility, Dürr Technik*

the world. Whether that's Asia, Europe, the Americas or Africa, they land on my desk and I co-ordinate the stakeholders within the company.

I also make sure that our products meet the stringent requirements of the rail industry.

RN: You provide solutions for a variety of mobility sectors – what specifically have you developed for the rail industry?

CB: We not only offer state-of-the-art, low-noise, low-vibration oil-free compressors – both main and



auxiliary – for railway applications, but also system solutions with air dryers and control units. Air quality is becoming ever more important – especially for new builds, so this is an important solution, which takes advantage of the newest developments in the market.

With 40 years of history in this area, we know exactly how compressors work and behave and what's required to make them reliable. Originally, we offered small compressors, but over the last eight or so years our experts have developed larger units that can also supply air brakes and suspensions.

We approached our customers and asked them how we could support them further and this was the outcome; highlighting how we can provide products truly customised for the rail industry.

Following on from this, sustainability is hugely important to the rail industry right now, which is why our oil-free products are so important.

If an oil compressor leaks, the grease can trail along the track. Then when it's time to remove and replace the lubricant, you have to think about how you will dispose of it in an environmentally-safe manner. With our oil-free solutions we remove all these concerns.

Focusing on sustainability, we've also looked at ways to improve the efficiency of our motors. Sure, compressors don't play a huge role in the energy consumption of a whole fleet, but every percent saved makes a difference,

so this will hopefully allow us to contribute to the sustainable development of the rail industry.

RN: What makes your products stand out against the competition?

CB: One of the big drivers in the sector right now is passenger experience – that covers everything from reducing noise and vibrations to aesthetics and design.

Other compressors are oil-filled, noisy and produce a lot of vibration, which can impact this customer experience, and so we designed a product that improves on all this.

Just a few weeks ago in fact, a supplier of an essential part of the compressor came back to us with the results of our noise tests, and they told us ours was the quietest oil-free piston compressor they've ever tested!

The fact our products are oil-free is also a bonus, as they're much easier to maintain than their oil-lubricated counterparts, saving time and money, and yet last for just as long.

RN: What about the benefits of working with you as a company?

CB: We also provide flexibility – most of our competitors offer off-the-shelf products, but with Durr Technik we don't just sell a product, we can also adapt it to the customer's bespoke requirements. This could be

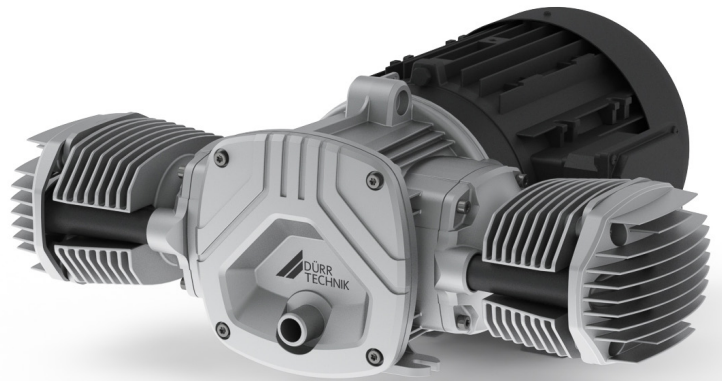
anything from changing the colour to the shape of the compressor, removing the challenges customers may come up against with an off-the-shelf solution.

We also offer great global support, as we have manufacturing facilities around the world including the UK, US, Germany and China. Beyond that we also have representation and technical support in many other countries, meaning our customers can always get face-to-face contact with someone from Dürr Technik rather than having to do everything remotely.

RN: So, what interesting projects are you working on at the moment?

CB: We actually have a wide range of projects on the go right now, including a particularly interesting one in the UK where we're working on a retrofit project for a 25-year-old oil-lubricated compressor.

The compressor we're using to replace this is actually going to be on show at **Railtex**, along with the MC-900 compressor – a robust mobility compressor, and the E-Bull, our most silent one to date.



In addition, we'll have a complete air dryer unit at the show with a compressor and frame.

We'll be at stand L39 and would love for readers to swing by to get the full experience of what we can offer, from our standard products through to customised solutions.

Visit our website www.durrtechnik.co.uk.



Lets meet on **Railtex 2023 stand L 39** and discuss the perfect compressed air solution for your demand

Every train has its own specific characteristics with individual requirements. Dürr Technik is a specialist for oil-free piston compressors. We develop and manufacture optimal solutions for our customers. We will be glad to welcome you on our stand.

For more information: www.durrtechnik.co.uk



MC range