Our complete approach to climate protection and the environment

LIEBHERR

Liebherr-Werk Ehingen GmbH

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The energy transition is moving forward, climate protection is on everyone's lips. And we are helping to shape the change: whether through our products, in building management or in plant traffic – there are many small and large examples of environmental protection at Liebherr in Ehingen. In addition, our products are used all over the world to preserve our environment for future generations – for example, through the construction of wind turbines.

More and more cities and regions are focussing on local emissions reduction and climate neutrality. We are also developing our business with this in mind. And one thing is certain: we all have to do our bit, whether as consumers or producers.

In our role as a company, we are faced with important decisions. We know that environmental and climate protection must not come at the expense of performance, efficiency and quality, but that these aspects must be in harmony with each other. We therefore build cranes that deliver reliable performance across a wide range of applications. Our technology diverse approach aims to fulfil customer needs and environmental requirements in the best possible way.

We view progress and innovation as evolutionary processes, which is why we are researching and developing in different directions. Whether crane functions such as ECOmode and ECOdrive for reduced fuel consumption, advances in lightweight construction or refuelling with synthetic fuels – we are embracing the future with an open approach to technology. We want to push for a maximum reduction in emissions.

In a world where climate change affects us all, taking responsibility for society and the environment is not a choice, but an obligation. Liebherr is committed to sustainable innovation and combines technology with environmental protection. Together we are shaping a future fit for our grandchildren.

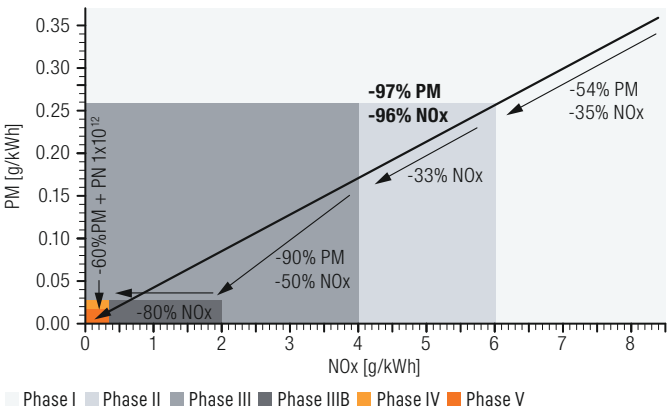
Daniel Pitzer **Bernd Boos** **Ulrich Heusel** **Christoph Kleiner**

Environmental protection concepts – our long standing commitment

Reduced CO_2 emissions through technical progress
Climate protection at the touch of a button would be a great thing. Unfortunately, however, the technology shift from fossil-fuelled combustion engines towards sustainable, CO_2-free or at least CO_2-neutrall drives is not yet in sight. And certainly not for all the various types of construction machinery. In order to develop new drive concepts, many different skills are required.

Engine exhaust stages
Liebherr has been building its own diesel engines for 40 years. In recent years, enormous progress has been made with regard to exhaust emissions (incrementally, in response to ever stricter legal requirements). For example, emissions of particulate matter (PM) and nitrogen oxides (NOx) have been gradually reduced by over 95 per cent over the last 20 years.

Lightweight construction
The progress we have made in terms of lightweight designs is an important point. Today, we achieve at least the same performance from a crane which weighs significantly less than previously. An example of this is that our current 5-axle LTM 1250-5.1 crane can hoist loads which, just a few years ago, had to be handled by the 6-axle LTM 1250-6.1. This means that a crane weighing 60 tonnes rather than 72 tonnes now drives to the site.



LTM 1250-6.1

2005–2015

- 15%

LTM 1250-5.1

since 2016

Within just ten years we have reduced the weight of the LTM 1250 by around 15 per cent. This results in a corresponding reduction in fuel consumption and CO_2 emissions while the crane is on the road and on site. This reduction for a 250-tonne crane also applies to all other crane models. Furthermore, these savings can be extrapolated to a time period of 30 years – representing an extremely significant reduction in the volume of CO_2 emissions!

ECOmode and ECOdrive
We launched ECOmode and ECOdrive around ten years ago. When operating the superstructure, ECOmode ensures up to ten per cent less fuel consumption and reduced noise emissions. The optimum speed is calculated to achieve this. ECOdrive makes efficient use of torque on the road and reduces fuel consumption by around five per cent when driving.

Continuous optimisation and helpful tips for crane operation

Remember to switch off the motor during lifting pauses
The motor can be easily switched off using the specially developed motor stop button in the crane cab, but the controls will remain active. This saves fuel and thus reduces CO_2 emissions.

No travel expenses, no fuel consumption
Is the error light blinking? Instead of sending a technician to the site, a service representative connects to the crane control via the mobile phone network. Targeted fault diagnosis through remote diagnostics increases the crane's uptime. Furthermore, it saves time, money and reduces travel expenses.

Use organic hydraulic oil
Our organic hydraulic oil is an ash-free, biodegradable, high-performance hydraulic fluid. It is particularly suitable for use in environmentally sensitive areas.

Remote diagnostics save time, money and reduce unnecessary travel expenses as well as CO_2 emissions.

Ensure optimum tyre pressures
Improved rolling friction minimises fuel consumption and thus reduces CO_2 emissions. By the way, we offer a tyre pressure monitoring system for our LICCON3 cranes to make it easy to monitor the optimum tyre pressures.

Use HVO instead of diesel
The higher the proportion of HVO in the fuel mixture, the greater the CO_2 reduction. To achieve the maximum possible CO_2 reduction, the crane must be powered permanently using pure HVO.

Everything in view with Performance
All of the Performance-enabled cranes send telemetric data to MyLiebherr. The dashboard shows both whether each crane is operating in ECOmode / ECOdrive to save fuel and therefore CO_2, as well as which crane in the customer fleet is being operated particularly efficiently and how much CO_2 has been generated in a defined period.

Open to diverse technology: drivetrains and alternative fuels

The key to reducing greenhouse gas emissions lies in electricity generated from renewable sources. This is the basis for e-drives, and for the production of eFuels and green hydrogen.

Many of our cranes, which are needed to enable the energy transition, are designed for high power requirements and continuous operation, and are therefore based on a fossil-fuel drivetrain. As this makes them significant CO_2 emitters, we have accelerated the development of low-emission and emission-free technologies in our product range and made considerable progress in this area.

Indeed, perhaps it is not the engines which require modification, but rather the fuels. Perhaps we do not need to make too many changes to the drivetrains, but should simply use different fuels in them. The biggest challenge is storing fuel on a crane. Currently, of course, we have a diesel tank for this purpose. If other forms of propulsion are used, for example based on hydrogen, the relevant special features such as weight, volume and temperature must be taken into account.

Liebherr is involved in the **eFuel alliance** – together with over 135 members – which works to promote the production and broad acceptance of eFuels as an alternative, synthetic fuel.

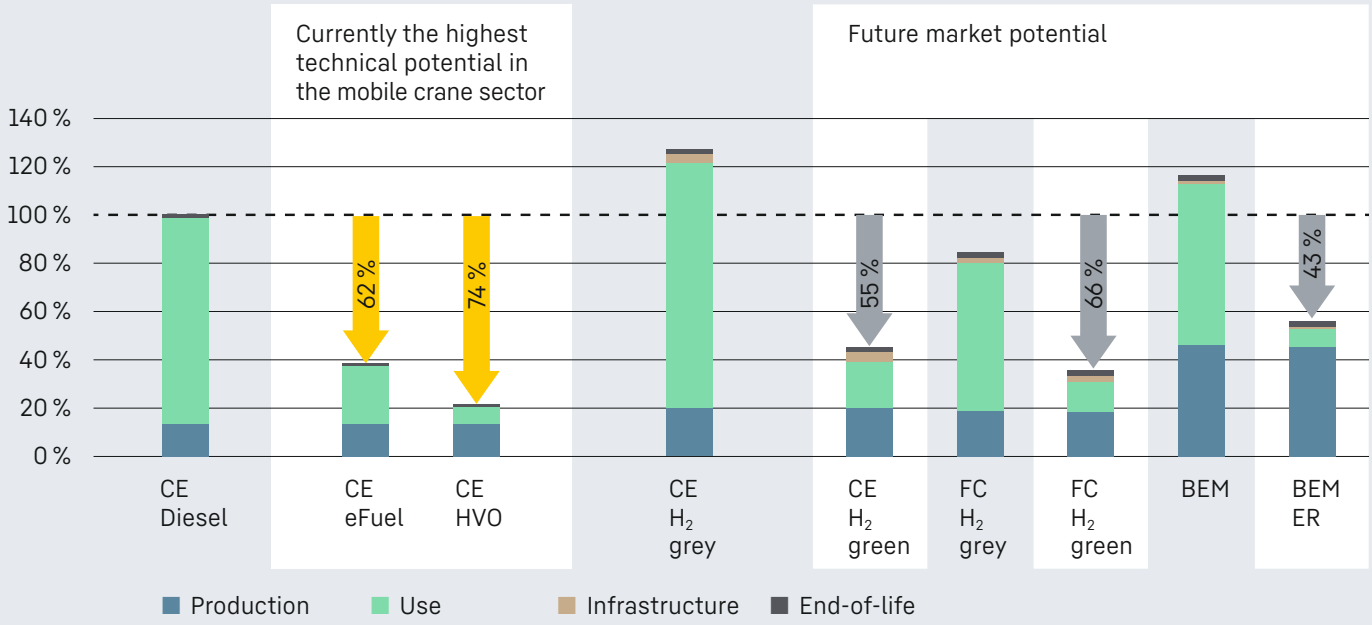
eFuel alliance

“In order to properly assess alternative drives for mobile cranes from an ecological perspective, the entire life cycle must be analysed.”

Bernd Boos
Managing Director Design and Development

Based on an LTM 1160-5.2, we compared different drive types in terms of CO_2 emissions over the entire life cycle. An internal combustion engine fuelled with diesel (B7) served as a reference point. The analysis has shown that we are currently achieving the greatest CO_2 savings with HVO. However, the use of eFuels can also make a significant contribution to reducing emissions. In a fictitious future scenario based on green hydrogen, emissions could be reduced by far more than half. The situation is similar with a fuel cell drive. And with a battery-electric drive – based on 100 per cent green electricity – CO_2 emissions can be reduced by over 40 per cent. But even if this electricity mix were possible today, HVO is currently the best option for our mobile cranes.

Comparison: CO_2 emissions by various types of power unit (example: LTM 1160-5.2)



CE = combustion engine, FC = fuel cell and electric motor, BEM = battery and electric motor, ER = electricity from renewable energies

We are HVO-ready

Hydrogenated vegetable oils (HVO) are an exciting alternative to fossil diesel. These are plant based oils which can be converted into hydrocarbons by adding hydrogen. They are mainly produced from vegetable oils and other edible waste oils. So waste oil becomes fuel! As it is possible to adjust the oil's properties fairly accurately, the fuel can be used in various mixtures and even in a pure form. Its use will significantly reduce greenhouse gas emissions.

We also find these fuels extremely promising because we manufacture extremely durable mobile and crawler cranes. Therefore, if Germany and the EU continue to reduce their emission limits in the next few years, older machines with diesel engines will not simply have to be scrapped. On the contrary, in Asia, Africa and South America, these machines will continue to operate for many years, which will also have a positive impact in terms of climate change.

Regardless of whether and how quickly we can equip more machines with engines that reduce CO_2 emissions, the further development of fuels based on hydrogenated vegetable oils or synthetic fuels from renewable energy sources can make a valuable contribution to reducing global emissions of greenhouse gases. At present, it is simply not possible to make the process any faster or more effective than through the use of HVO!

Highlight

For a 5-axle mobile crane, **CO_2 emissions** are **reduced** by **74 per cent** compared to diesel fuel if pure HVO is used on a permanently basis, assuming that the entire life of the crane, including its production, is taken into account – i.e. "cradle to grave".

Diesel B7

-74 % CO_2

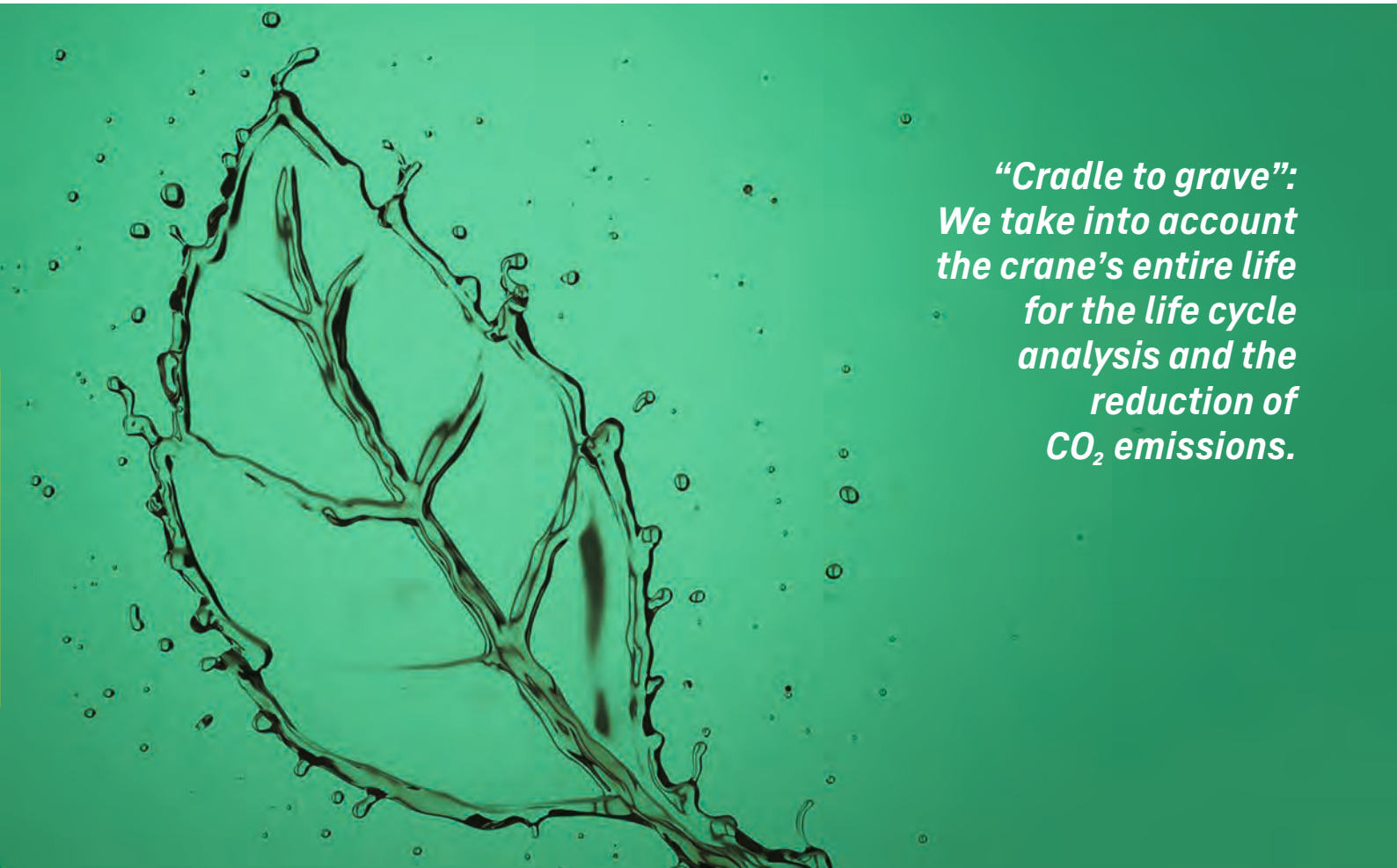
HVO

“We have made our entire mobile and crawler crane fleet HVO-ready. Our cranes have already undergone extensive testing and trials.”

Phillip Federle
Head of Crane Vehicles Department

To make HVO or other synthetic fuels attractive for our customers, they must be available nationwide and in plentiful quantities at filling stations, as is the case today with diesel. This will not be possible overnight. But we are making a start.

As an aside, since September 2021, we have been fuelling our mobile and crawler cranes at the Liebherr plant in Ehingen exclusively with pure HVO. This is used for the crane acceptance procedure and test drives as well as the first tank of fuel before delivery.



“Cradle to grave”: We take into account the crane’s entire life for the life cycle analysis and the reduction of CO_2 emissions.

Shaping the future through green concepts

Battery

We are also taking a very close look at the development of battery electric drives as part of our “technology-diverse” approach. We have pooled the required technological skills within the Liebherr Group at a “Battery Competence Centre”. This ensures that we are always at the cutting edge of development throughout the entire group of companies.

As the amount of energy in lithium-ion batteries is very small in relation to their volume and weight, and the technology available today offers no potential for universal installation in all-electric mobile and crawler cranes, we are focusing on alternative storage solutions. Instead of drawing power from the grid, external battery packs could also be used as wired power supplies for smaller mobile cranes. Perhaps in the future, the demand for “Local Zero Emission” could also be met for larger cranes through such buffer battery storage systems – for example, the Liduro Power Port developed by our sister company in Biberach.

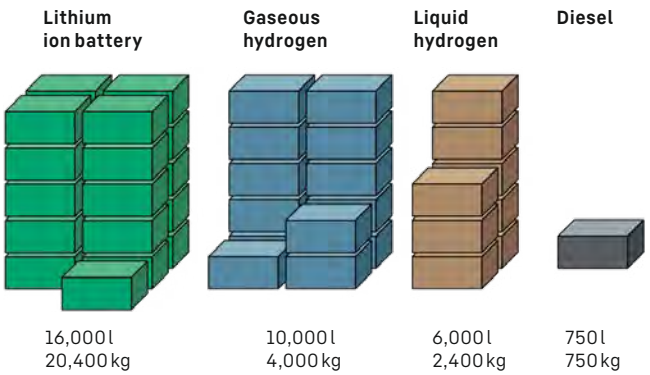
Hydrogen

A hydrogen internal combustion engine would actually increase total emissions if we used the hydrogen that is available today, since it is normally produced using natural gas. This makes it a questionable choice from an ecological point of view. So let’s imagine the following future scenario: With green hydrogen, we can cut emissions by well over half. A fuel cell gives similar results due to the fact that it uses hydrogen as the fuel. However, this scenario highlights the greater efficiency of this technology.

It remains to be seen whether hydrogen engines have a future or whether hybrid hydrogen engines are a sustainable drive concept. Many concrete and promising approaches are being explored. We remain technology-neutral and consistently monitor the market readiness of new motor developments, as well as their potential adaptations for use in mobile cranes.

Fuel cell

Fuel cell power units are not really suitable for mobile cranes, which experience very uneven stresses and high load collectives. Hydrogen engines may therefore be more interesting. The lack of clarity overall is still so great that it is not currently possible to define any realistic targets. One of the core problems is storing the energy source on a crane. In current crane designs, there is not enough weight or volume available for hydrogen in gaseous form or for liquid hydrogen, which must be cooled to very low temperatures.



Volume requirement and weight of medium including tank for various types of power unit, using the LTM 1160-5.2 as an example.

Interplay of sustainable solutions: The MK 88-4.1E, the Liduro Power Port and the LTC 1050-3.1E.

Zero emissions, full power

The new version of the LTC 1050-3.1 features an additional electric motor to power the crane functions.

Maximum reduction in CO_2 emissions in crane operation

Reduction of noise emissions by up to 65 %

Full power at 125 A – still half the power at 63 A

LTC 1050-3.1E

Customer benefits, working practice and economy go hand-in-hand with global and local environmental protection. We have developed a new version of our compact crane – the LTC 1050-3.1E – to reduce greenhouse gas emissions and thus meet the “Local Zero Emission” requirements, especially in cities.

As an all-rounder, this crane still has a conventional combustion engine, which can be fuelled with HVO or diesel on the road. This also applies to crane operation. Alternatively, its additional electric motor for crane operation enables emission-free working, for example inside buildings.
For this solution, an additional common gear assembly was installed between the transmission and the pumps. The electric motor was flange-mounted to this.

Whether using its emission-free electric motor or its combustion engine to ensure smooth crane operation, all familiar functions remain the same. A 125 A connection is required for the LTC 1050-3.1E to reach maximum performance.

The LTC 1050-3.1E draws the electricity needed for crane operation directly from the site. Alternatively, it can also be connected to a stand-alone power source, for example a battery-based energy storage system such as the Liduro Power Port from Liebherr.

With this solution, we offer maximum flexibility thanks to quick changes between diesel-hydraulic and electro-hydraulic power. We also ensure that the hybrid LTC 1050-3.1E can continue to be used as a flexible and economical “global crane” at all locations.

Thanks to the integrated battery pack, the LTM 1150-5.4E can be operated autonomously and emission-free.

Maximum reduction in CO_2 emissions in crane operation

Reduction of noise emissions by up to 65 %

Battery pack to reduce the connected load and for autonomous operation of the superstructure. Unrestricted working is possible with plug-in mode.

LTM 1150-5.4E

"Zero emissions, full power" – this motto also applies to the LTM 1150-5.4E. Emission-free and with reduced noise pollution, the newly developed drive with a 111-kW high-speed electric motor ensures unrestricted crane operation with almost the same performance as the 6-cylinder combustion engine. The electric version supplements the conventional model of the LTM 1150-5.4 with a distributor gear, a battery and the necessary control technology. The electric motor's distributor gear enables the operator to switch flexibly between diesel-hydraulic power and electro-hydraulic power.

The drive concept for the LTM 1150-5.4E builds on the proven technology of the LTC 1050-3.1E, albeit with a crucial upgrade – an integrated battery pack. Thanks to its battery, the crane can operate autonomously without a power connection. Since the battery serves as an efficient buffer, even a small connected load, some 16 or 32 Amps, is enough to allow the crane's full power to be unleashed. The crane draws high currents for peaks in performance from the battery, which serves as an efficient buffer and is permanently recharged by the on-site electricity supply. Charging is carried out via a CEE high-voltage plug with 16 A or 32 A and up to 44 kW of power, or via a modern CCS plug for fast charging with up to 80 kW.

The 98 kWh battery is securely installed in a box, weighing some 1.5 tonnes, on the back of the crane. To allow on-road driving, the ballast plates have been adapted accordingly – a carefully thought-out concept for maximum flexibility and efficiency on site.

Quiet power for the construction site – fully electric and emission-free crane operation.

Maximum reduction in CO_2 emissions in crane operation

The MK product family

All MK mobile construction cranes can be operated emissions-free and virtually noiselessly – either with on-site power or a battery-based energy storage device such as the Liduro Power Port from Liebherr.

We are the only manufacturer to develop and produce mobile construction cranes that are fully electrically controlled and can therefore operate silently. Operation via an on-site power supply is especially easy. Even if the energy source available may only offer 32 Amps, MK mobile construction cranes can carry on working thanks to their intelligent energy management.

The MK serves as a source of energy and the heart of the construction site. It shares not only the load, but also the power. Its permanently installed generator for the current exhaust gas level can supply the entire construction site with power based on an average consumption of four litres per hour. Various other pieces of construction equipment can be operated via third-party consumer connections.

Compact, powerful and manoeuvrable – characteristics that perfectly describe the MK 120-5.1E, the latest member of the mobile construction crane family. The 5-axle vehicle closes the gap between the MK 88-4.1E and the MK 140-5.1E.

What the future holds

No energy transition without Liebherr cranes
More and more wind farms are being built around the world, both onshore and offshore. Whether loading monopiles at the harbour or erecting wind turbines, our economical and powerful mobile cranes are playing a key role in the energy transition. They are precisely tailored to the needs of the wind power industry and have proven themselves for decades.

To meet the challenge of increasingly powerful turbines and taller towers, we are offering optimised cranes and new boom systems with exceptionally high load capacities.

"With a view to future generations, we are investing in innovations that offer benefits both for our customers and the environment."

Daniel Pitzer
Commercial Managing Director

Durable and valuable

Used cranes from the manufacturer
We offer an all-round sustainable solution across all industries with our used cranes. From 30-tonne machines on tyres to large crawler cranes, we are also present in this market with our complete product range. Regardless of where in the world a repurchased used Liebherr crane was last used, it is always first checked at a Liebherr repair centre and its condition is documented before it is sold again.

The customers themselves decide whether and to what extent the used cranes are repaired. The cranes that come to us for reconditioning are between two and 20 years old. Thanks to their high quality, the availability of spare parts and the service we offer on site, they have a considerable resale value – even after decades.

"Quickly available and of proven quality, our cranes are also a sustainable solution for numerous industries."

Bernd Rechtsteiner
Head of Sales Used Cranes

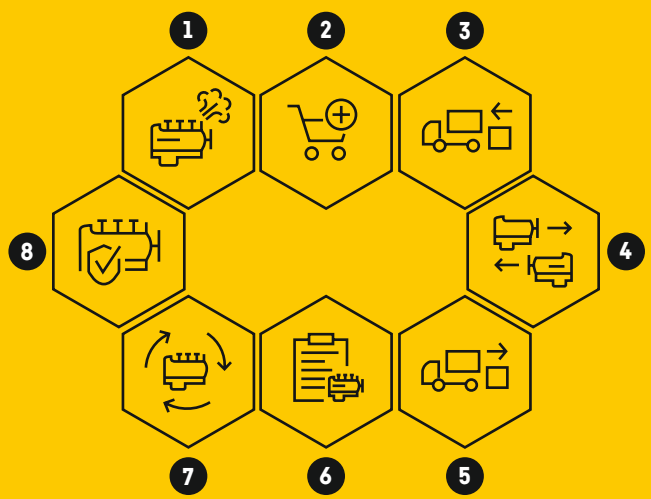
Remanufacturing – new life for old parts

Reuse instead of waste
We attach great importance to the efficient recovery of as many components as possible in order to conserve valuable resources and promote environmentally conscious business practices. Our Reman programme ensures that old parts are reconditioned in such a way that they are in no way inferior to a new part in terms of quality and function. Once the old parts have been reconditioned, they are reused as replacement components.

To ensure that our cranes remain in use for a long time, we offer a broad portfolio of replacement components. This includes remanufactured cylinders, engines, winches, electronic components and much more.

The journey of a replacement component

1. **Discovery of the defect:** the faulty component needs to be replaced.
2. **Ordering of the replacement component:** The customer orders the replacement via the responsible service partner or directly via MyLiebherr.
3. **Shipping of the replacement component:** The replacement component is delivered to the customer.
4. **Installation on site:** The defective component is removed and the replacement component is professionally installed.
5. **Return of the old part:** The defective old part is returned to Liebherr.
6. **Evaluation at Liebherr:** The old part is inspected and assessed – a possible credit note is issued to the customer based on its condition.
7. **Reconditioning:** Suitable old parts are professionally reconditioned in OEM quality.
8. **Restocking:** The reconditioned replacement component is ready for its next mission.



Environmental protection in and around our plant

At our locations in Ehingen, we have analysed all vehicles that make up the plant traffic. We have been refuelling our cranes exclusively with HVO since September 2021. This enables us to eliminate 6,500 tonnes of CO_2 on our factory premises every year. Since January 2022, we have also been exclusively sourcing green electricity from European wind farms – with the corresponding certification. The electricity from the grid is supplemented by 5,091 kW peak megawatts from the photovoltaic systems that have been installed on seven buildings at the plant to date. This is yet another milestone on the road to CO_2 neutrality.

Energy management
As a matter of principle, we construct new buildings – such as our repair branch in Berg – at least to the KfW 55 standard (an indication for energy-efficient houses which require only 55 per cent of the energy of a conventional new building). Additionally, one third of the building's 12,000-square-metre roof has been planted with greenery. Another third, which is reserved for photovoltaics, is occupied by a 782 kW peak system. And the last third consists of skylights to deliver natural light into the building and reduce the need for artificial lighting.

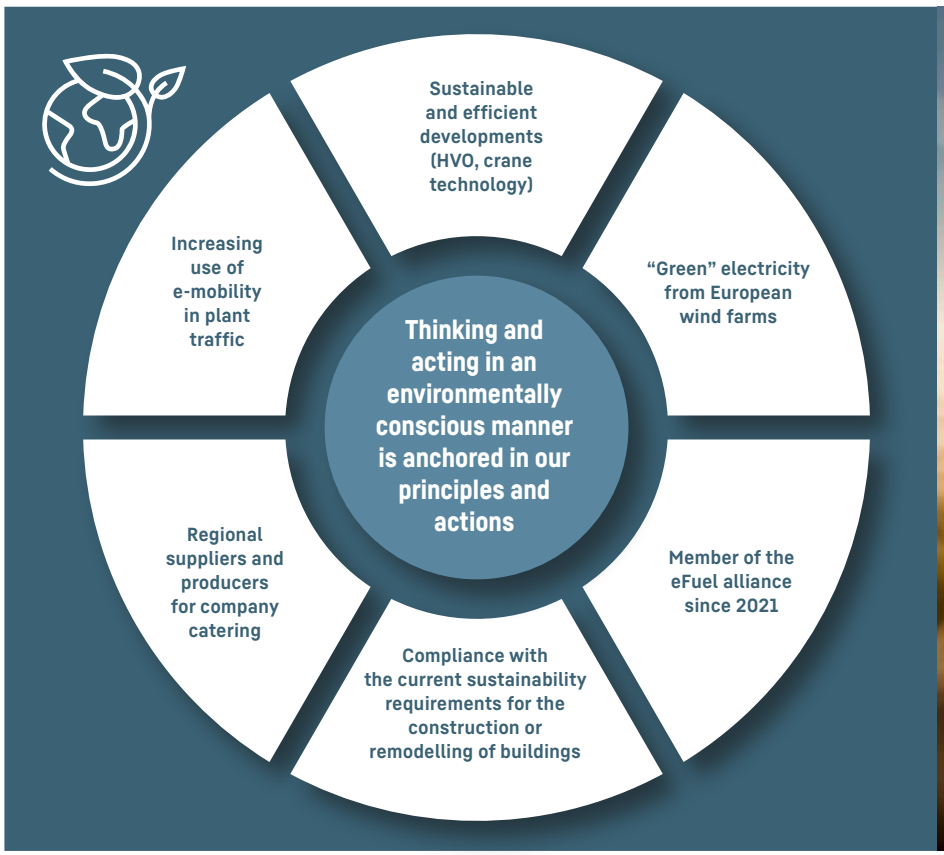
"We design new buildings at least to the KfW 55 standard as a matter of principle."

Jürgen Abele
Manager for Industrial Services and Construction

Shuttle, app and carpooling
Another aspect of the energy transition that we are tackling at our Liebherr plant is mobility management. One of the challenges is to accommodate the increasing number of employees within a limited parking area. But commuter traffic also plays a role, especially during rush hour. In order to make transport more environmentally friendly, socially acceptable and efficient, we are currently rolling out our employee mobility strategy. With Mobility+, we are working on everything from shuttle services to carpooling to reduce private transport. We are gradually converting the company's vehicle fleet to e-mobility.

Regional procurement wins
Whether it's components for our crane production or supplies for our company catering, we prioritise regional sourcing and short supply chains wherever possible. Whether steel cables from Memmingen, winches from Sigmaringen or cylinders from Oberopfingen, around 140 active suppliers with a total of around 6,000 employees manufacture products for us in Germany and other European countries.

And to provide our employees with a balanced and healthy selection of meals, our canteen at the Ehingen site, for example, prepares around 1,500 meals daily – at lunchtime alone. It has been awarded two lions by the "Schmeck den Süden" network for offering at least six dishes made from ingredients sourced from Baden-Württemberg.



Care in the supply chain, certified processes

Supply Chain Due Diligence Act
We are committed to respecting human rights in our business activities, preventing human rights violations and identifying and eliminating environmental risks in our supply chains. On this background, Liebherr aligns itself with the ten principles of the United Nations Global Compact regarding human rights, labour standards, the environment, anti-corruption legislation, as well as the Sustainable Development Goals of the United Nations.

We continuously check where there could be risks of human rights violations and breaches of environmental law in our supply chain organisation. We have identified child and forced labour, income, working hours, discrimination, respect for freedom of association and occupational health and safety as particularly sensitive areas.

We train our employees, communicate with suppliers, carry out audits at regular intervals and formulate precise requirements for our suppliers. We also work with recognised certification organisations. This way, we ensure that the specifications are adhered to.

Certifications
We have our services and work processes regularly reviewed and certified in the quality, environment and energy management systems.

Quality management ISO 9001:
The certification of our quality management system confirms our commitment to the highest quality and customer focus. It is firmly anchored in our continuous improvement process and promotes the sustainable optimisation of our processes – for maximum customer satisfaction worldwide.

Environmental management ISO 14001:
We are committed to treating the environment responsibly and take a holistic view of the value chain for our products. With our certified environmental management system, we are continuously working to overcome the challenges of climate change, reduce emissions and utilise resources more efficiently.

Energy management ISO 50001:
We systematically optimise our use of energy in order to increase the energy efficiency of our production site. We demonstrate our commitment and our success through the certification of our energy management system.

Responsibility knows no limits

Whether through our products, in building management or in factory site transport; whether as an employer that is committed to the compatibility of work and family life or to the health of its employees through company health management; or whether as a corporate citizen – there are many small and large examples of social commitment and environmental protection at Liebherr-Werk Ehingen GmbH. We have been involved in some projects for more than 18 years – some have only been around for a short time. But we are always concerned with making our contribution.

Blood donation campaigns
Our occupational health service has been working with the German Red Cross blood donation service for 15 years and invites employees to donate blood twice a year. This takes place during working hours and is remunerated accordingly by the employer.

Taking part is a matter of honour!
We have been involved in the “Mitmachen. Ehrensache!” (Taking part is a matter of honour) project for around 20 years: pupils from Ehingen and the surrounding area take on tasks in the office as well as manual work and various departments of our company. They donate their earnings to charitable projects in the region. As a partner of “Mitmachen. Ehrensache!”, our aim is to strengthen young people’s initiative and social awareness.

Rich in opportunities
Everything begins with language: if we can communicate about shared experiences, this creates a sense of belonging and connection with one another. Therefore the apprentice department at Liebherr in Ehingen has set up a comprehensive teaching programme. Under the motto “Rich in Opportunities – Early Childhood Education Strengthens Equal Opportunities”, the company introduces nursery children to the big world of crane technology in a playful way over two days.

Forest edge maintenance
For the first time in 2025, around 20 Liebherr young people from all apprenticeship years took part in a forest edge maintenance programme in cooperation with ForstBW. Together with three apprentices from ForstBW, they maintained the edge of the forest, built an insect hotel and two benches and planted trees.

Holiday programme
In cooperation with the Michel Buck School in Ehingen, we offer children up to the 5th grade the opportunity to take part in the summer holidays and gain exciting insights into the world of cranes. As part of the holiday care programme, they experience technology up close – from hands-on stations in the training workshop to trips around the factory premises. Accompanied by our employees, enthusiasm for technology is awakened in a playful way and at the same time the compatibility of work and family is supported.

Corporate Responsibility – our strategy

Corporate Responsibility

As part of a globally active family business, we bear a significant responsibility towards wider society and the environment. We are convinced that we can only be successful in the long term if we act in a sustainable and future-focused manner. For us, the term “future-focused” doesn’t just describe a period of five or ten years, but means also keeping an eye on the well-being of the next generation and the generation after that.

The Liebherr Group has developed a comprehensive Corporate Responsibility strategy in order to meet this requirement also in the future. It is designed to promote sustainable and responsible behaviour in all areas of our business activities. In this way, we can help tackle environmental issues and support the communities in which we live and work. This will ultimately contribute to the long-term success of our company. At the same time, it is also an obligatory task that we have to face as a family business.

Alongside our vision of being an economically, ecologically and socially sustainable family business, our mission statement defines the implementation of our vision based on the following key areas of action:

- Products and services
- Environment and energy
- Employees and society
- Sustainable economic activity

The Corporate Responsibility Policy of the Liebherr Group summarises the understanding of responsibility towards people and the environment. It applies to all Liebherr companies worldwide and defines the Group's goals and commitments in the following areas:

- Responsibility for health, safety and the environment
- Social responsibility
- Sustainable economic activity

Liebherr aligns itself with the ten principles of the United Nations Global Compact regarding human rights, labour standards, the environment, anti-corruption legislation, as well as the Sustainable Development Goals of the United Nations. As a globally active group of companies, Liebherr makes this a reality in a variety of ways.

Our vision of Corporate Responsibility

We aim to be an economically, ecologically and socially sustainable family business that convinces its customers with innovative solutions for challenging tasks – and improves the quality of life of present and future generations through technological progress and responsible behaviour.

Vision

Mission

Fields of action	Products and services	Environment and energy	Employees and society	Sustainable economic activity
Key topics	Reduction of pollutant emissions, especially greenhouse gas emissions	Utilisation of renewable energy and optimisation of energy efficiency	Promotion of occupational health and safety	Healthy and sustainable growth
	Maintaining and improving of product safety	Development of a circular economy	Promotion of equal opportunities	Scrutinise and develop business models
	Maintaining and improving service and product quality	Careful use of water as a valuable resource	Promotion of training and professional development	Stable and sustainable value chains
		Reduction of waste and pollution	Promotion of the communities in which we live and work	Compliance with laws and regulations

The Sustainable Development Goals as a guideline for our Corporate Responsibility strategy

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Subject to change
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