

Liebherr-Mining Equipment

Experience the Progress.



LIEBHERR





50 Years of Commitment to the Mining Industry

Since Liebherr's move into the mining industry, its equipment has set standards in open-cast mining operations around the world. Through advanced technologies, long-life components and comprehensive on-site customer service, Liebherr mining trucks, excavators and crawler tractors ensure the highest levels of up-time and cost-efficiency – even under the toughest of conditions. Liebherr's continuous focus on innovation and quality ensures maximum customer value in all product areas.





Liebherr-Mining Equipment Colmar SAS, France



Liebherr-Werk Telfs GmbH, Austria

Facts & Figures

Liebherr-Werk Telfs GmbH, **Austria**

Founded: 1976

Employees: 400+

Total area: 170,000 m²

Built-up area: 50,000 m²

Liebherr Mining Newport News Co., **USA**

Founded: 1995

Employees: 400+

Total area: 312,000 m²

Built-up area: 30,700 m²

Liebherr-Mining Equipment Colmar SAS, **France**

Founded: 2011

Employees: 500+

Total area: 170,000 m²

Built-up area: 58,000 m²





The Story of the Liebherr Mining Division

Since 1961, Liebherr has produced hydraulic excavators in Colmar, France. Along with earthmoving, demolition, and other industrial products, Liebherr also offers machines for the extraction and loading of material in the open-cast mining industry.

In 2006, the decision was made to construct and build a new factory in France dedicated to developing and manufacturing Liebherr mining hydraulic excavators and to providing the facilities to further centralize Liebherr-Mining's activities. Construction of the new facility commenced in May 2008 and the factory became fully operational in July 2010.

Liebherr in Colmar today operates under the name of Liebherr-Mining Equipment Colmar SAS. From 100 to 800 t, Mining excavators from Colmar are sold in all surface mining applications. Such as gold, diamonds, platinum, coal, iron ore, copper, etc.

Liebherr Mining Equipment Newport News Co. in Virginia, USA, has been manufacturing large mining trucks for mining industry since the mid 1990s. These trucks are specifically engineered for use in high-production sites in extreme climates, and operate in a variety of worldwide mining applications.

1961

Foundation of Liebherr-France SAS
Dr.-Ing. E.h. Hans Liebherr and
Joseph Rey (mayor of Colmar)



1976

Foundation of Liebherr-Werk Telfs GmbH
Introduction of R 991



First mining excavator R 981

1974

Introduction of
R 982
R 994
R 984
R 992

1980's



First mining dozer
PR 751

1985

1995

Foundation of Liebherr Mining Equipment Newport News Co.
First mining trucks T 252 and T 262
Introduction of R 996



2000's

Introduction of
R 994 B
R 9250
R 9350
R 996 B
T 282 B

2010

Introduction of
R 9100
R 9400
R 9800
T 282 C



2012

Introduction of
R 9150
T 264
Liebherr Ground Engaging Tools

2013

Introduction of
T 284



Introduction of
T 282
R 995

1998



Introduction of
PR 764

2006



Foundation of Liebherr-Mining Equipment Colmar SAS and the mining division within the Liebherr Group

2011



Introduction of
R 9200
PR 776

2016

The Six Pillars of the Liebherr Mining Division

For more than 50 years Liebherr is working in mining. Based on our experience, we have identified six subjects that are key factors to our customers : Productivity, Efficiency, Reliability, Customer Service, Safety and Environment. To provide structure and focus on all our work, our projects are grouped under these headlines.



Productivity



Efficiency



Reliability



Customer Service

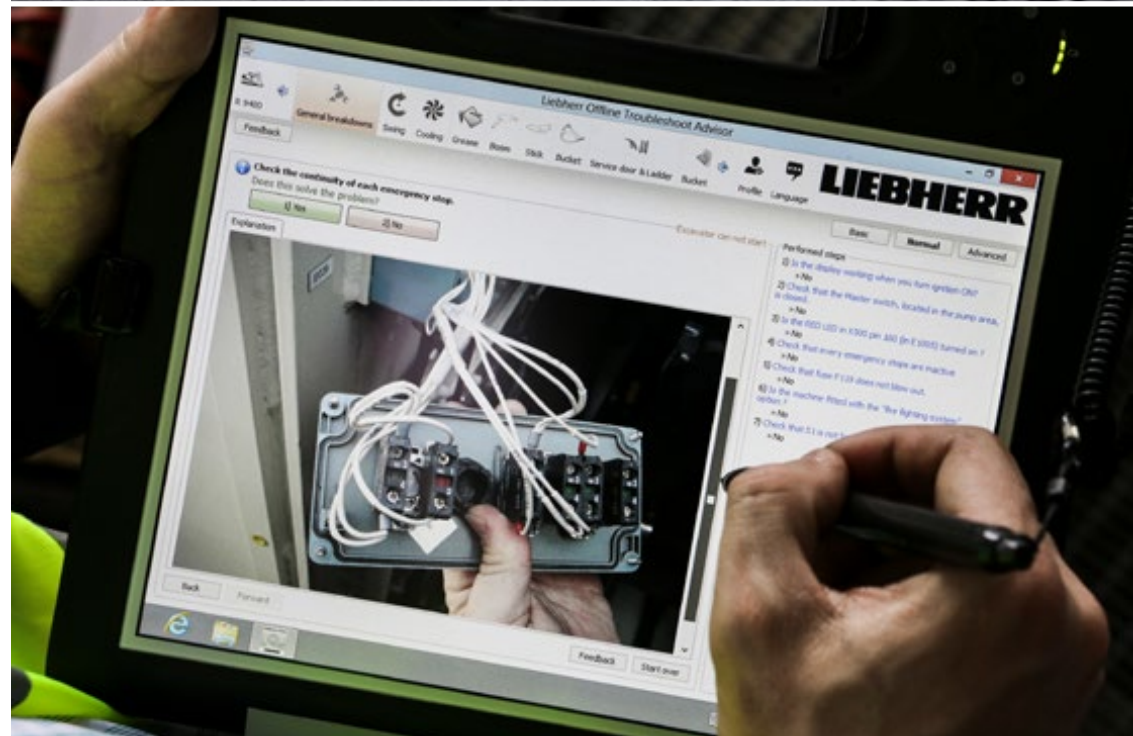


Safety



Environment

Our six pillars have helped Liebherr become a respected leader in the global mining industry.





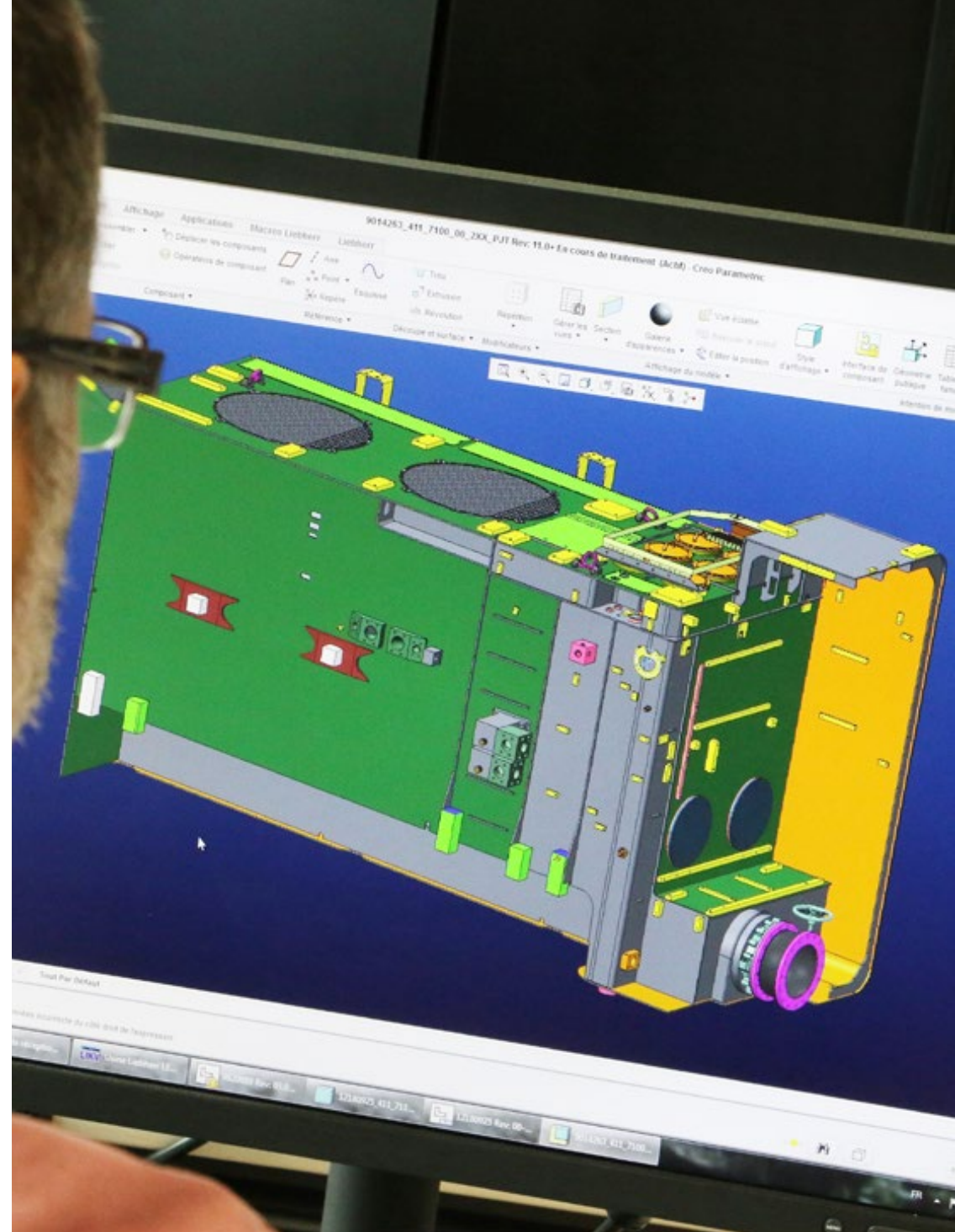
Experience is Knowledge

The Liebherr mining division is a part of an international group of companies known for innovative quality products incorporating the latest advancements in technology.

This knowledge is gained by more than 250 engineers and a global network of sales and service partners who guarantee the necessary close personal contact to our customers.

Our employees have access to an ever-increasing technical data bank, collected on-site around the world. This allows for continuous improvements based on real-time data and feedback so that we can create better machines and services for our customers.

An intelligent design process enables Liebherr to make machines better for specific mining applications.





Dedication to Quality and Reliability

Liebherr brings experience and expertise from the field in order to design products that offer maximum productivity and easy maintenance.

All developments use state-of-the-art technology to improve each aspect of our mining machines. This attention to detail allows us to simulate and analyse the best machine for an individual mine site.

Our engineering department uses specific 3D solutions in order to meet customer requirements, such as Finite Element and Fatigue Life Analysis. In combination, the manufacturing department uses advanced welding techniques to strategically reinforce the structure.

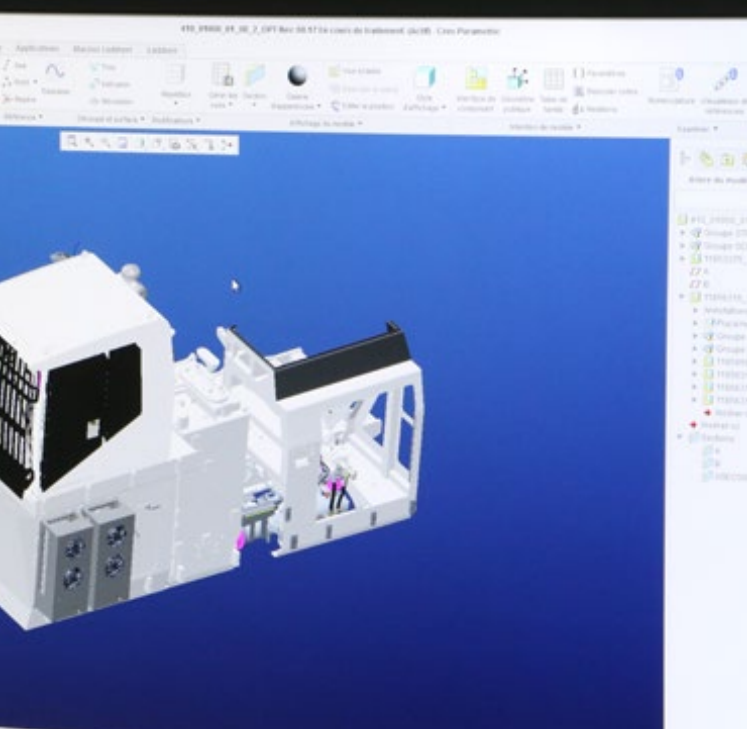
Our personnel thoroughly test our mining trucks and excavators before they leave the plant; ensuring that all components are fit for purpose before arriving at their final destination.

From initial discussion through to the equipment commissioning, Liebherr sales and service personnel are in constant contact with customers. This attention to our customers' needs allows us to provide a well-balanced product between price and performance.

In the same way, the certification ISO 9001 provides to Liebherr-Mining customers the certitude to acquire high quality products.

Simulation, analysis and testing procedures are major components of every Liebherr machine development.





Wide Range of Product Options

Every mine is unique, from the toughest digging material to the most difficult conditions, Liebherr provides a large selection of custom options for increased operator comfort, safety focus, and supporting performance in extreme climates.

From the initial concept to production, Liebherr products are designed to meet our customers' specifications. Liebherr machines are available with a range of options including electric drive, high performance, optimized fuel consumption, sound attenuation, high altitude & arctic packages; this means we can adapt the machine to most applications.

Liebherr's sales and engineering departments are flexible to work with every customer's requirements including special attachments, robust undercarriages, colours and so on.

Liebherr offers a multitude of options: special attachment for the crawler tractor, high altitude kit for the truck efficiency or high performance option on excavators to further increase the productivity.





First Class Production Facilities

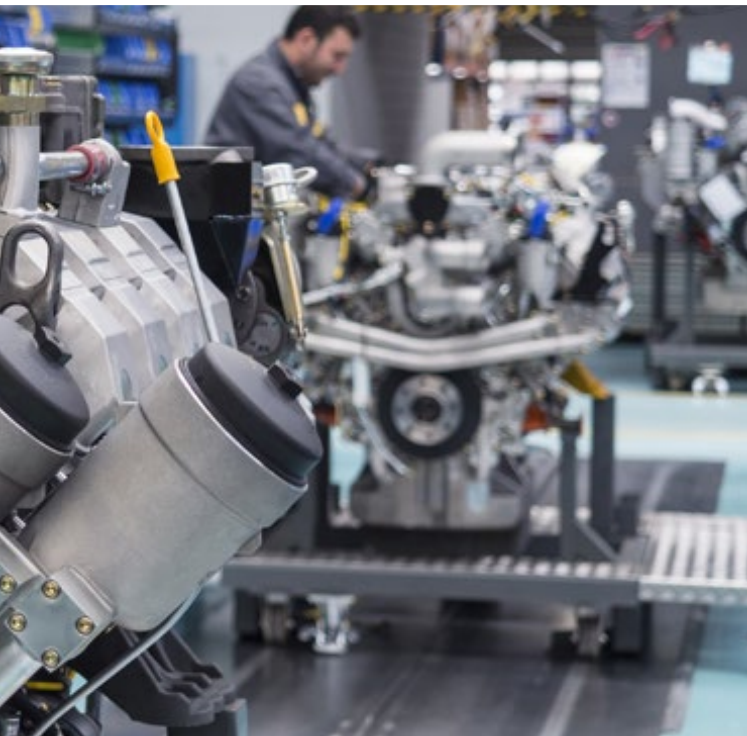
Liebherr is committed to providing quality to our customers all around the world. This quality begins with the smallest components that we build. Many components are specifically designed and built in Liebherr factories to be used in the manufacturing of Liebherr equipment.

Our quality begins during the initial design and simulation of each new machine. Liebherr holds the highest standards for selecting steel and casting materials. Based on the expertise of certified internal auditors and our highly qualified personnel, all manufacturing processes are devised to provide the most comprehensive control, monitoring, and traceability.

We aim to fulfill our commitment to society and to the environment. We conduct systematic risk analysis for new materials qualification, promote recovery-waste management, and keep non-recyclable waste to a minimum.



Examples of production and assembly processes.



The Liebherr Trademark

Our personnel meet the highest qualifications in order to continue our legacy of innovative design and fine craftsmanship. Our workforce undergoes continuous training to stay aware of all new industry developments.

Each of our departments and development teams are made up of highly skilled Liebherr employees. To ensure the highest quality products, these teams use their expertise and experience to review and report.

As a product innovator in the mining industry, Liebherr continuously improves all levels of processes and procedures. Our focus on improvement ranges from our approach to research and development, assembly, through to our service network and administrative processes.

Liebherr is a worldwide company,
whose employees work toward the goal of providing best practice, product, and services.





The Right Product in the Right Place

Liebherr mining equipment has a proven record exceeding customer expectations for reliability and longevity.

From their lightweight design to efficient engine options, Liebherr mining machines are designed for maximum productivity. Customers can further customize their fleets to meet specific mine site requirements.

Liebherr machines are known for their excellent reliability. This, combined with easy maintenance, provides increased uptime and makes for a superior investment for our customers.

The R 996 B exhibits maximum productivity even in the most extreme environments.





World-Class Support, Everywhere, Every Day

Customers can rely on our extensive customer service network and genuine Liebherr parts to support their mining equipment. Liebherr's reliable, committed, and trustworthy service staff are located close to all major mining operations, and have a large number of continental, regional, and local warehouses to support all Liebherr equipment, worldwide.

For an example: Our partnership with Indonesian company, KPC. They operate a fleet of nineteen Liebherr R 996 and R 996 B hydraulic excavators in both front shovel and backhoe configurations, and three Liebherr R 9800 hydraulic backhoes in conjunction with a fleet of thirty-two Liebherr T 282 B mining trucks. The Liebherr fleet operates over four to six open pits in the KPC mine site, 24 hours a day, 365 days a year. Day to day maintenance requirements are addressed by the Liebherr on-site service support centre, PT Liebherr-Indonesia Perkasa.

Over the course of a mining machine's life, major components must be replaced to ensure continued safety, productivity and reliability. The Liebherr Mining Repair and Reman program offers customers an OEM alternative to purchasing brand-new replacement components, enabling customers to achieve lowest possible equipment lifecycle costs without compromising quality, performance or reliability.

Our personnel located close to our customers
are dedicated to respond to the demand.





A Wide Range of Products

Mining is a challenging industry. By partnering with Liebherr Mining, you have the benefit of our more than 50 years' experience in design, manufacturing and support of mining machinery. We work closely with our customers to provide options that add value and can be adapted to their specific requirements. Our reputation for quality, reliability, and innovative technologies ensures that mining operations are safe, time and cost efficient at all times—even under the toughest of conditions.

Liebherr offers the customers a
combine load & haul solution.





Mining Excavators

The Liebherr-Mining Equipment Colmar SAS product line includes nine different excavator models with operating weights from 100 to 800 t / 120 to 880 tons and bucket capacities up to 47.5 m³ / 62.1 yd³. These machines are powered by diesel engines or electric motors with power ratings up to 4,000 hp / 2,984 kW. Independent of size, Liebherr mining excavators are known for their exceptional performance, simple operation and easy serviceability.

Mining Trucks

Liebherr Mining Equipment Newport News Co. has been manufacturing large mining trucks designed to handle payloads of up to 363 t / 400 tons for the international mining industry since the mid-1990s. The trusted diesel-electric drive concept ensures the highest level of cost-effectiveness and, when paired with a Liebherr R 996 B or R 9800 mining excavator, the trucks are perfectly suited for the demands of mining environments. Customers can expect a high level of performance from these machines at the lowest cost per ton.

Crawler Tractors

For over 40 years the crawler tractors and crawler loaders have been a fixed component of the Liebherr construction machinery programme. The concept of the hydrostatic travel drive was pursued right from the start. Some of the advantages of this technology include high efficiency, as well as comfortable and safe operation.

Power, agility and efficiency are the trademarks of the crawlers from Liebherr. Whether for material handling, pushing or levelling – high-performance and very efficient machines are available for every application.

Mining Excavators



R 9100



R 9150



R 9200

		R 9100	R 9150	R 9200
Operating Weight	with Backhoe Attachment	108 tonnes/120 tons	128 tonnes/141 tons	205 tonnes/225 tons
	with Shovel Attachment	112 tonnes/124 tons	130 tonnes/143 tons	210 tonnes/231 tons
Engine Output		565 kW/757 HP	565 kW/757 HP	810 kW/1,086 HP
Bucket Capacity		7 m ³ /9.2 yd ³	8.3 m ³ /10.9 yd ³	12.5 m ³ /16.3 yd ³
Shovel Capacity		7 m ³ /9.2 yd ³	8.3 m ³ /10.9 yd ³	12.5 m ³ /16.3 yd ³

Mining Excavators



R 9250



R 9350



R 9400

		R 9250	R 9350	R 9400
Operating Weight	with Backhoe Attachment	250 tonnes/276 tons	302 tonnes/333 tons	345 tonnes/380 tons
	with Shovel Attachment	253 tonnes/279 tons	310 tonnes/342 tons	353 tonnes/389 tons
Engine Output		960 kW/1,287 HP	1,120 kW/1,500 HP	1,250 kW/1,675 HP
Bucket Capacity		15 m ³ /19.6 yd ³	18 m ³ /23.5 yd ³	22 m ³ /28.8 yd ³
Shovel Capacity		15 m ³ /19.6 yd ³	18 m ³ /23.5 yd ³	22 m ³ /28.8 yd ³

Mining Excavators



R 995



R 996 B



R 9800

		R 995	R 996 B	R 9800
Operating Weight	with Backhoe Attachment	441 tonnes/486 tons	672 tonnes/740 tons	800 tonnes/882 tons
	with Shovel Attachment	450 tonnes/496 tons	676 tonnes/745 tons	810 tonnes/893 tons
Engine Output		1,600 kW/2,140 HP	2,240 kW/3,000 HP	2,984 kW/4,000 HP
Bucket Capacity		26.5 m ³ /34.7 yd ³	36 m ³ /47.1 yd ³	42 m ³ /54.9 yd ³
Shovel Capacity		26.5 m ³ /34.7 yd ³	34 m ³ /44.5 yd ³	42 m ³ /54.9 yd ³

Mining Trucks



T 264



T 284

	T 264	T 284
Gross Vehicle Weight (GVW)	395 tonnes / 436 tons	600 tonnes / 661 tons
Engine Output	2,013 kW / 2,700 HP	3,000 kW / 4,023 HP
Payload Class	221 tonnes / 244 tons	363 tonnes / 400 tons

Crawler Tractors



PR 756



PR 764



PR 776

	PR 756	PR 764	PR 776
Operating Weight	38.3 – 41.1 tonnes / 42.2 – 45.3 tons	45.2 – 53.5 tonnes / 49.2 – 58.9 tons	64.7 – 73.1 tonnes / 71.3 – 80.5 tons
Engine Output (ISO 9249)	250 kW / 340 HP	310 kW / 422 HP	565 kW / 768 HP
Blade Capacity	8.9 – 11.7 m ³ / 11.6 – 15.3 yd ³	13.6 – 17 m ³ / 17.8 – 22.2 yd ³	18.5 – 22 m ³ / 24.2 – 28.8 yd ³

Liebherr, an International Family-Owned Company

Liebherr was founded in 1949 by Hans Liebherr. The company has now developed into a group of companies with a workforce of over 41,000 employees in more than 130 companies across all continents. Today Liebherr is not only one of the largest manufacturers of machinery in the world but is also renowned as a supplier of technically advanced, user-oriented products and services in many other industries. The holding company is Liebherr-International AG based in Bulle, Switzerland, whose shareholders are all members of the Liebherr family.

The fact that Liebherr is a family-owned company has dominated the corporate culture ever since the company was founded. For over 60 years, the Liebherr brand has been synonymous with stability and reliability and has always focussed on long-term, close working relationships with its customers and business partners.

Liebherr designs technological progress and will continue to pursue the objective of being at the forefront of technological development in the future. The main focus of everything the company does is to achieve maximum quality. Every single employee of the group of companies pursues this objective in their everyday work. Liebherr is passionate about its products, and concentrates on the point of view of its customers in order to develop bespoke solutions for them.

The family shareholders active in the Group (left to right):
Patricia Rűf, Stéfanie Wohlfarth, Jan Liebherr, Sophie Albrecht,
Dr. h.c. Isolde Liebherr and Dr. h.c. Willi Liebherr.



The Group's Divisions



Earthmoving



Mining



Mobile cranes



Tower cranes



Concrete technology



Maritime cranes



Aerospace and transportation systems



Machine tools and automation systems



Domestic appliances



Components



Hotels

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