

Liebherr Werk Nenzing  
(MCCtec Division)  
Harbour Mobile Crane



**LIEBHERR**

# LIEBHERR

## Presentation Outline

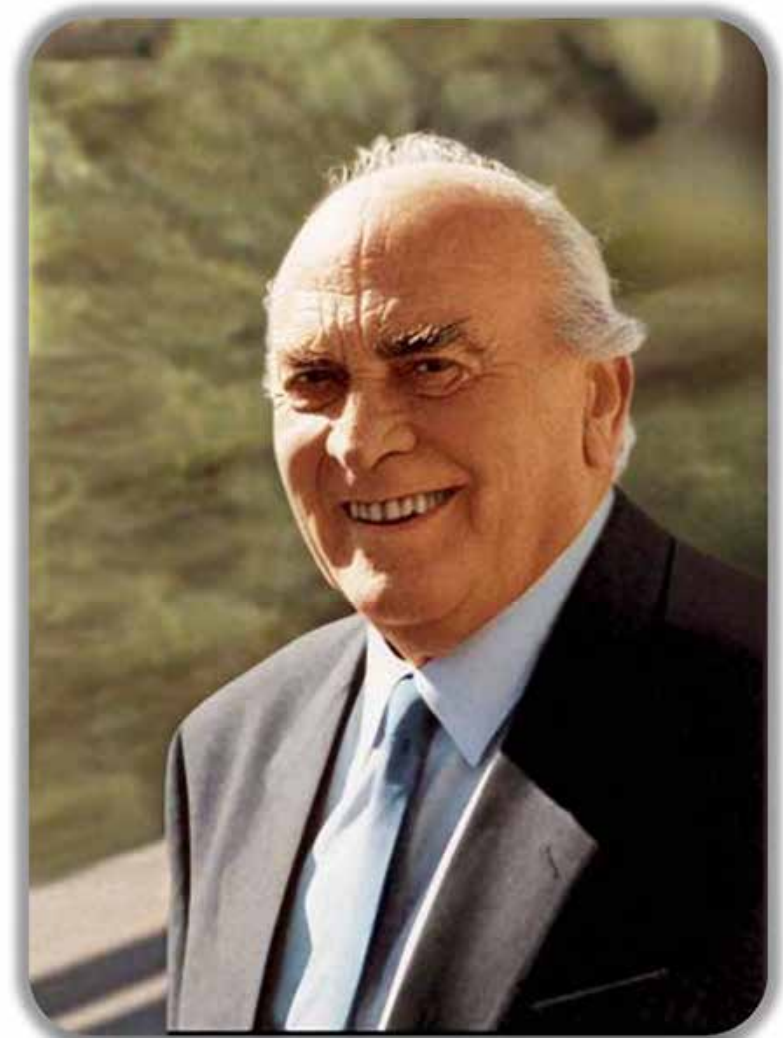
- Company Overview
- Introduction to range of LHMs
- Insight to LHM Design & Features



# The Liebherr Group

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- **Company founded by Dr Hans Liebherr in 1949**
- **The Liebherr Group today (2014):**
  - **over 120 companies worldwide**
  - **more than 32,000 employees**
  - **€8.334 billion turnover**
- **Decentralised structure with straightforward, autonomous corporate units – divisional structure**
- **Holding company: Liebherr-International AG, Bulle, Switzerland**





# A Successful Family Business

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The family business is run by siblings Isolde Liebherr and Dr. Willi Liebherr.

- High level of independence in all decision making
- Traditional values
- Long term orientation
- Investments:
  - 2011: € 650 Mill.
  - 2012: € 850 Mill.
  - 2013: € 780 Mill.



(E.g. R&D, building of plants and factories, service stations and increasing presence across national borders, etc..)

# Long Term Orientation

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## ■ Investments:

**2011: € 650 Mill.**

**2012: € 850 Mill.**

**2013: € 780 Mill.**



## Annual IBJ Awards

(International Bulk Journal – Belgium)

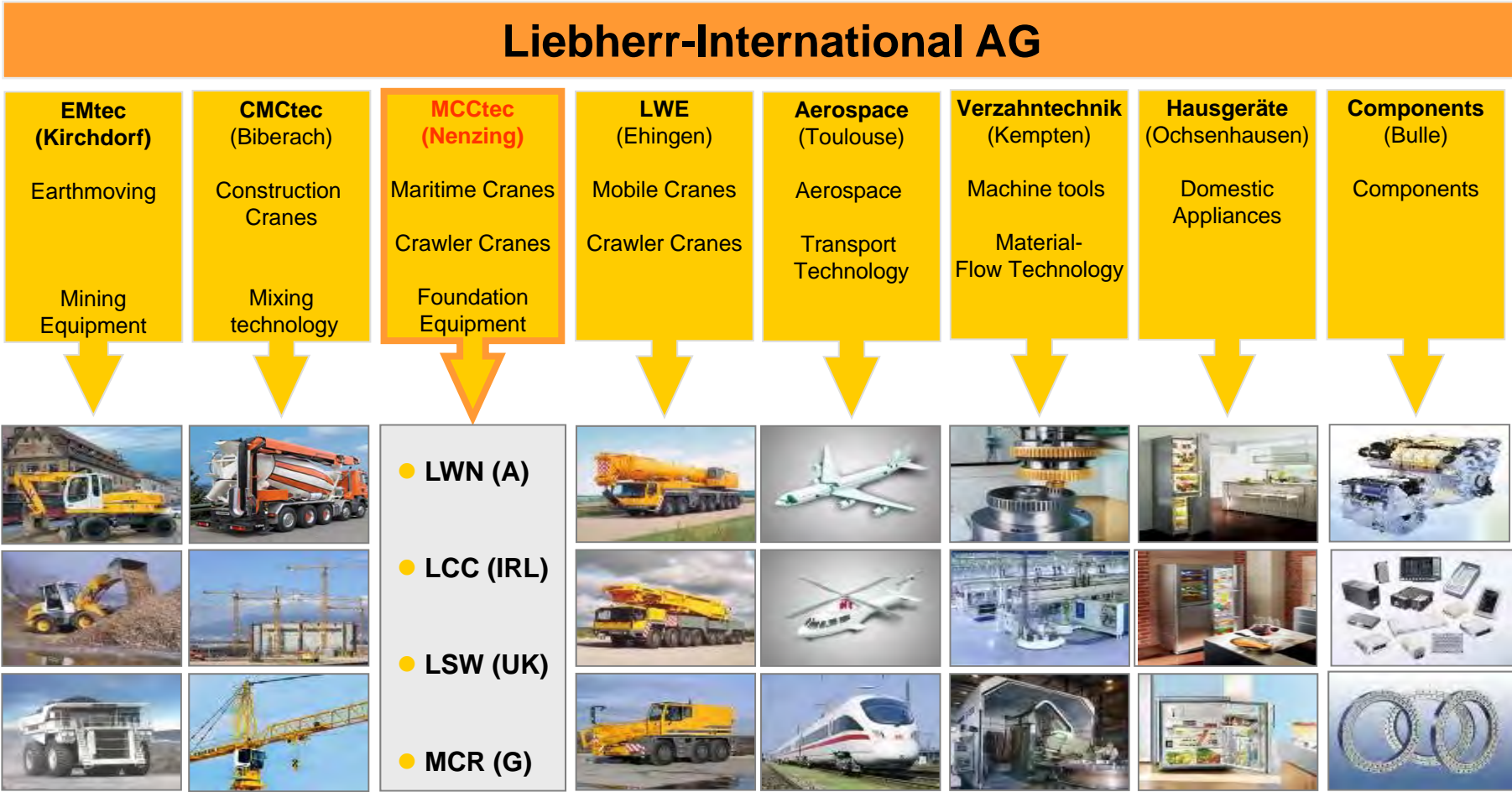
### Crane of the Year

- 2009 – LHM 280
- 2010 – LHM 500
- 2011 – LPS 600



**“ Testament to Liebherr’s consistent commitment to highest quality standards in combination with innovative strength...”**

# Divisional Structure



## INTEGRATION OF EXPERTISE

# Production Locations of Liebherr-MCCtec GmbH

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**MCCtec**

(Nenzing)

**Ireland  
(LCC)**



**Austria  
(LWN)**



**Germany  
(MCR)**



**U.K.  
(LSW)**



- Turnover: € 1.24 billion. (2013)
- Employees : 3,600 + (2013)
- 4 product plants with a total surface of 670,300 m<sup>2</sup>
- 23 sales and service stations

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# Product Range Liebherr - MCCtec GmbH

## Mobile Harbour Cranes



LHM 500 APM Terminal 2, Argentina



LHM 500 Port Mexi, Spain



LHM 400 AKR Garma, Indonesia



LHM 500 Garmnet, Turkey

Worldwide Population – 1250++

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# Product Range Liebherr - MCCtec GmbH

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## Gantry Cranes, Container Cranes



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Worldwide Population – 550 ++

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# Product Range Liebherr-MCCtec GmbH

## Ship and Port Cranes



Worldwide Population – 4000 ++

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# Product Range Liebherr-MCCtec GmbH

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## Offshore Cranes



Worldwide Population – 750 ++



# Product range Liebherr-MCCtec GmbH

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## Duty Cycle Crawler Cranes



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Worldwide Population – 2500 ++

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- PRODUCT RANGE
  - CRANE CONFIGURATIONS



# Introduction to LHM Solutions



**Container Handling**



**Heavy Lifts**



**Bulk Handling**



# Multipurpose Function and Applications

**Spreader**



**AKR Group – 3 x LHM 420**

**Heavy Lift**



**Scrap**



**Magnetic Lifts**



**Bulk**



**General Cargo**



**Video Demo**



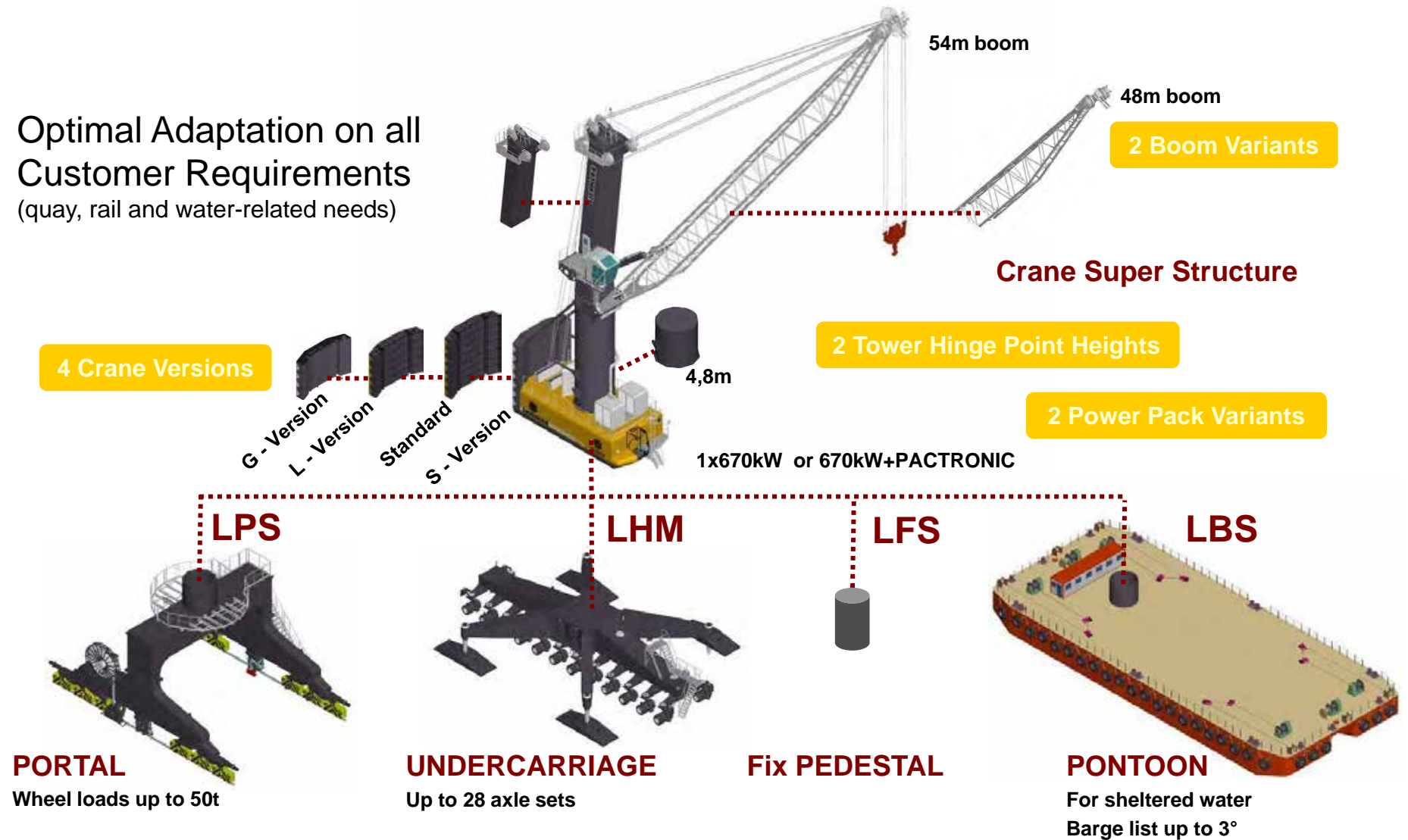
# The Range

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# Variable Configuration

Optimal Adaptation on all Customer Requirements  
(quay, rail and water-related needs)





# LHM 500 – Hyundai Steel, South Korea

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# LHM 420 – AKR Group, Indonesia

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# LHM 180 and LRS 645 - Bayswater Singapore

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# LBS 500 - PT Indominco Mandiri, Indonesia

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# LFS 500 – Puerto de Coronel, Chile

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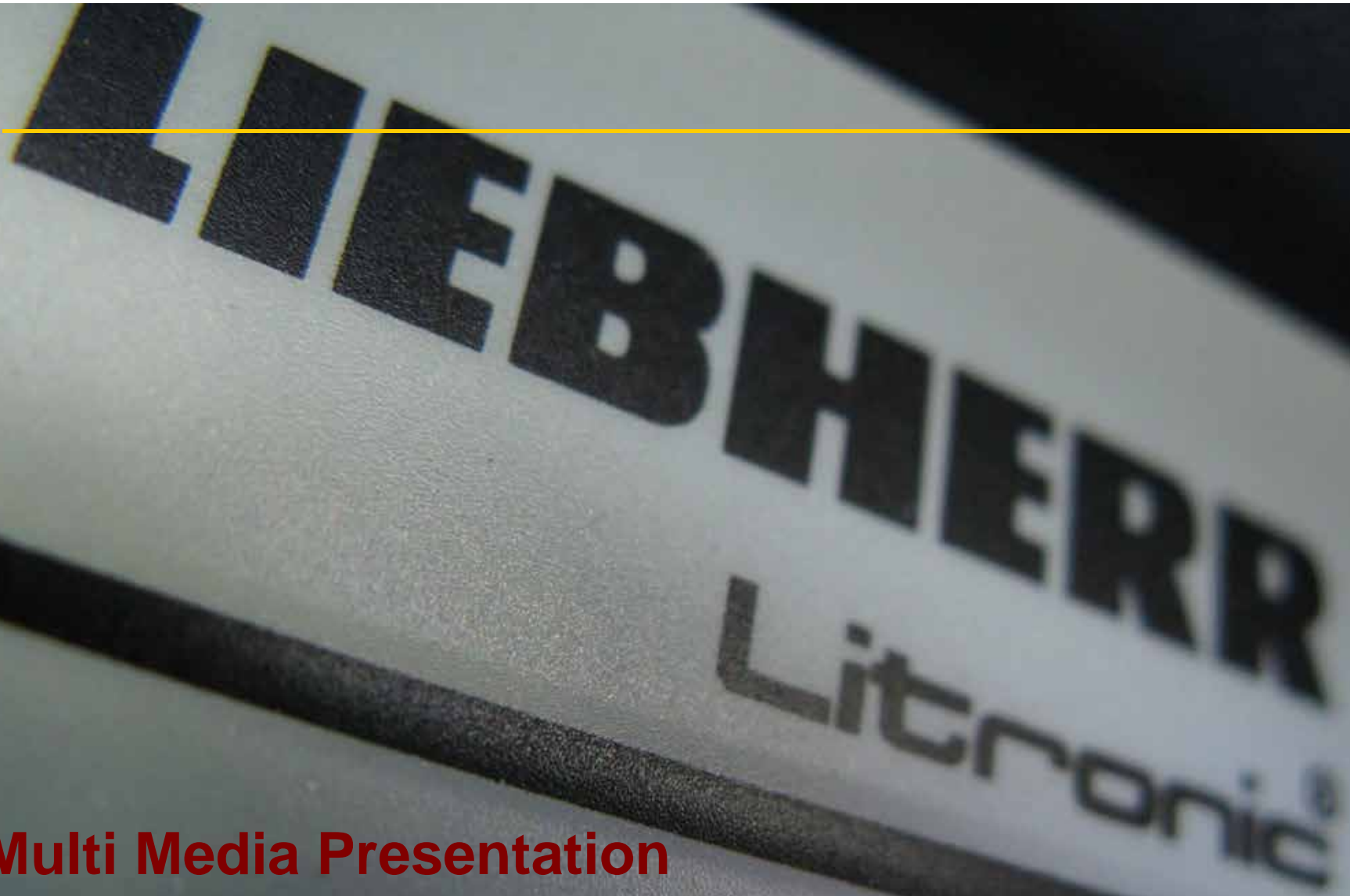


# LFS 180 – PT Pamapersada, Indonesia

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Litronic

## Multi Media Presentation

# Multipurpose Function and Applications

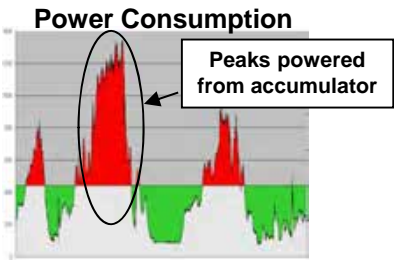
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- Modular Principle
- Design Feature - Slewing Platform
- Types of applications
- Design Feature - Undercarriage & Mobility
- General Arrangement
- Design Feature - Sycratronic & Cycoptronic

High reliable **HYBRID** solution  
(in comparison to equivalent conventional power drive)

- **Energy recirculation (energy storage)**
- **Less energy consumption**
- **Reduced exhaust emissions**
- **Reduced noise exposure**
- **Increase of hoisting power**
- **Increase of efficiency**
- **Decrease of maintenance (smaller or less diesel engines)**



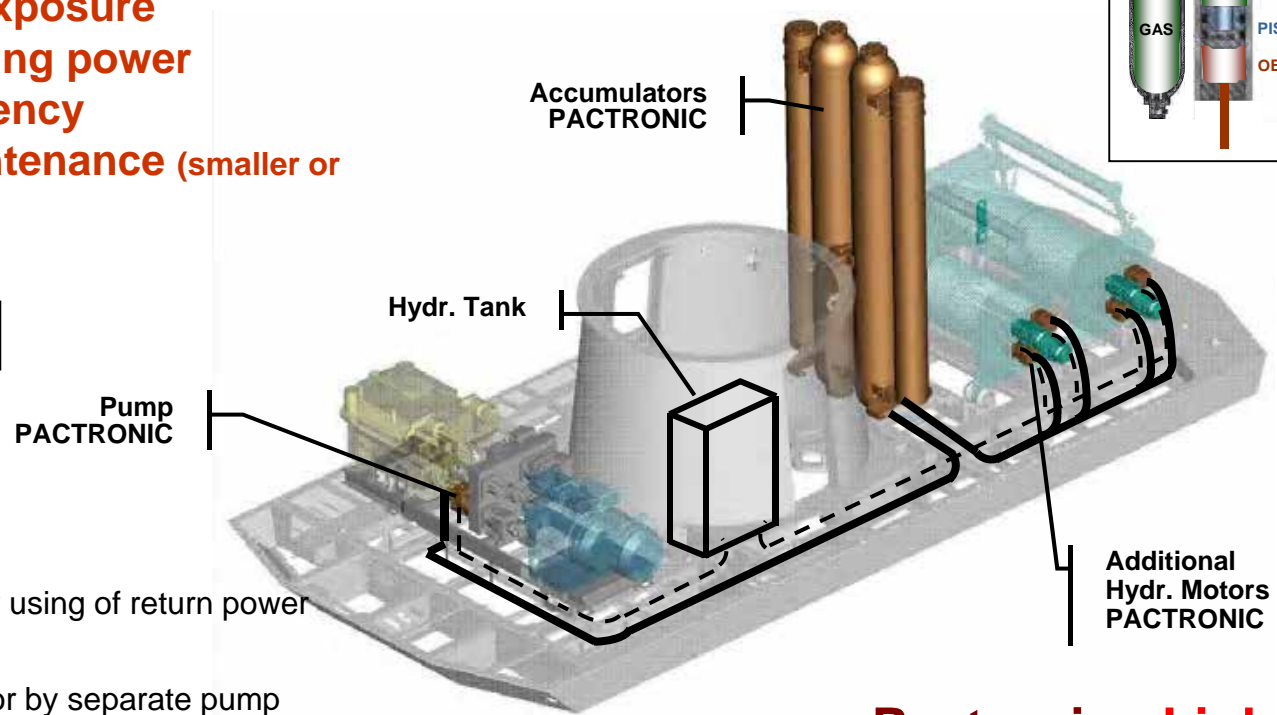
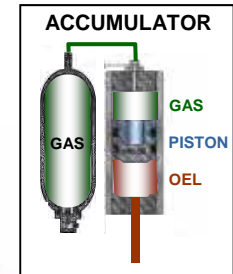
Filling of accumulator done by using of return power (lowering of load)

Additional filling of accumulator by separate pump

- from reverse power other gears
- from power reserves diesel motor

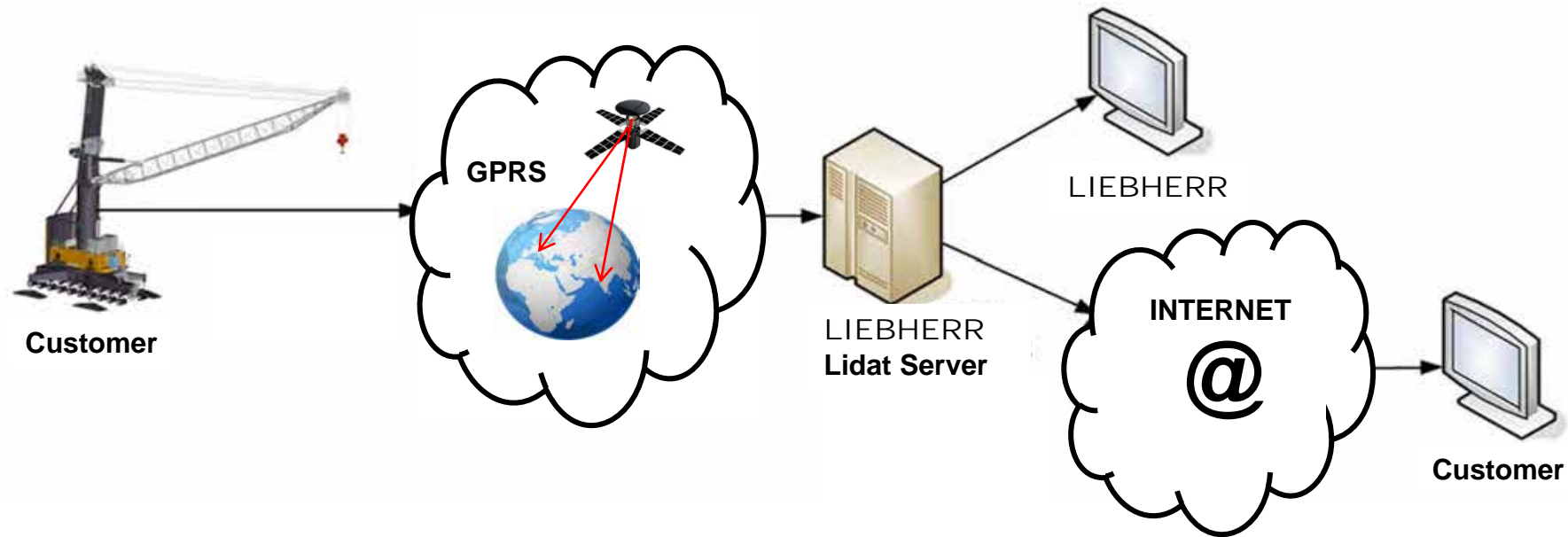
## Advantages Accumulator

- **Unique lifetime**
- **Easy Recycling**
- **No maintenance, only visible inspection**



**Pactronic - Link**





- **Continuous Transfer of operational data** (in the background)
  - Direct transfer to analyse systems (SCULI)
- **Remote diagnostics**
- **In real time alarming**

# After Sales Support and Services

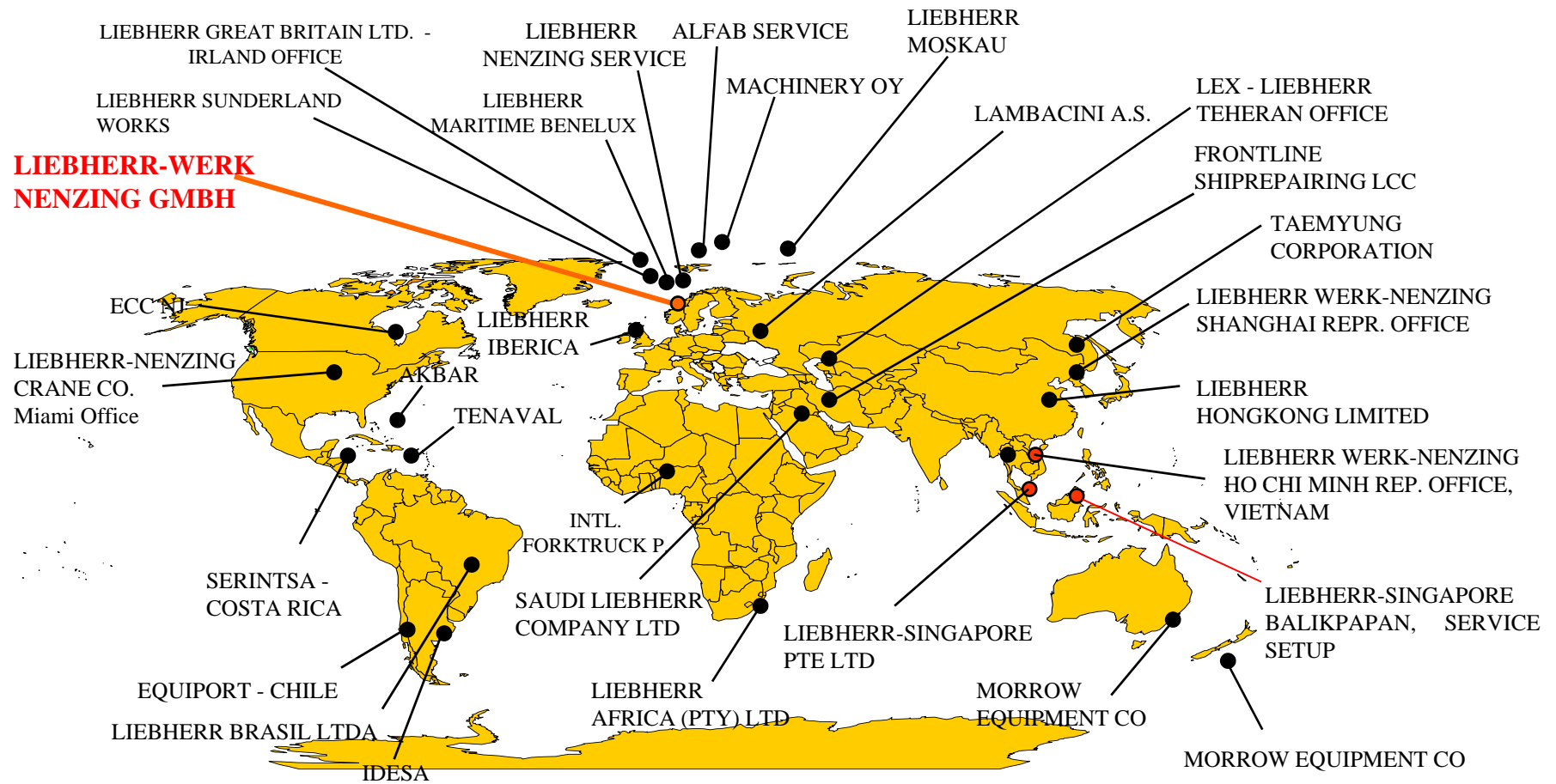
- **Worldwide network of customer service centres**
- **Efficient supply of spare parts**
- **Lifetime Service and Maintenance Support of all machines**
- **Experienced service engineers posted at service stations worldwide**



Incl. Manufacturing head office, sales & service stations & representative offices



# World Wide After Sales Network



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For more information.....



**12<sup>th</sup> ASEAN  
PORTS & SHIPPING**  
**2 0 1 4**

Wednesday 11 and Thursday 12 June 2014  
JW Marriott, Jakarta, Indonesia

**Come and visit us at our booth  
Liebherr stand number 18**

**Thank you for your attention!**