



Safe, secure and swift cargo handling methodologies and equipment

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LIEBHERR



LIEBHERR Group & Port Equipment



LIEBHERR – a family business



Company founded in 1949 by Dr.-
Ink. E.h. Hans Liebherr

€ 9.3 billion turnover (2013), 37,800 employees
130 companies worldwide.



LIEBHERR – Port Equipment



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LIEBHERR – Port Equipment



LIEBHERR Werk Nenzing – AUSTRIA



Founded 1976
>1650 employes

EXPANSION 2013



New office building



LIEBHERR Rostock – GERMANY



EXPANSION 2013-2014

New production plant



Founded 2005
>1100 employes



LIEBHERR Killarney – IRLAND



Founded 1958
>630 employes



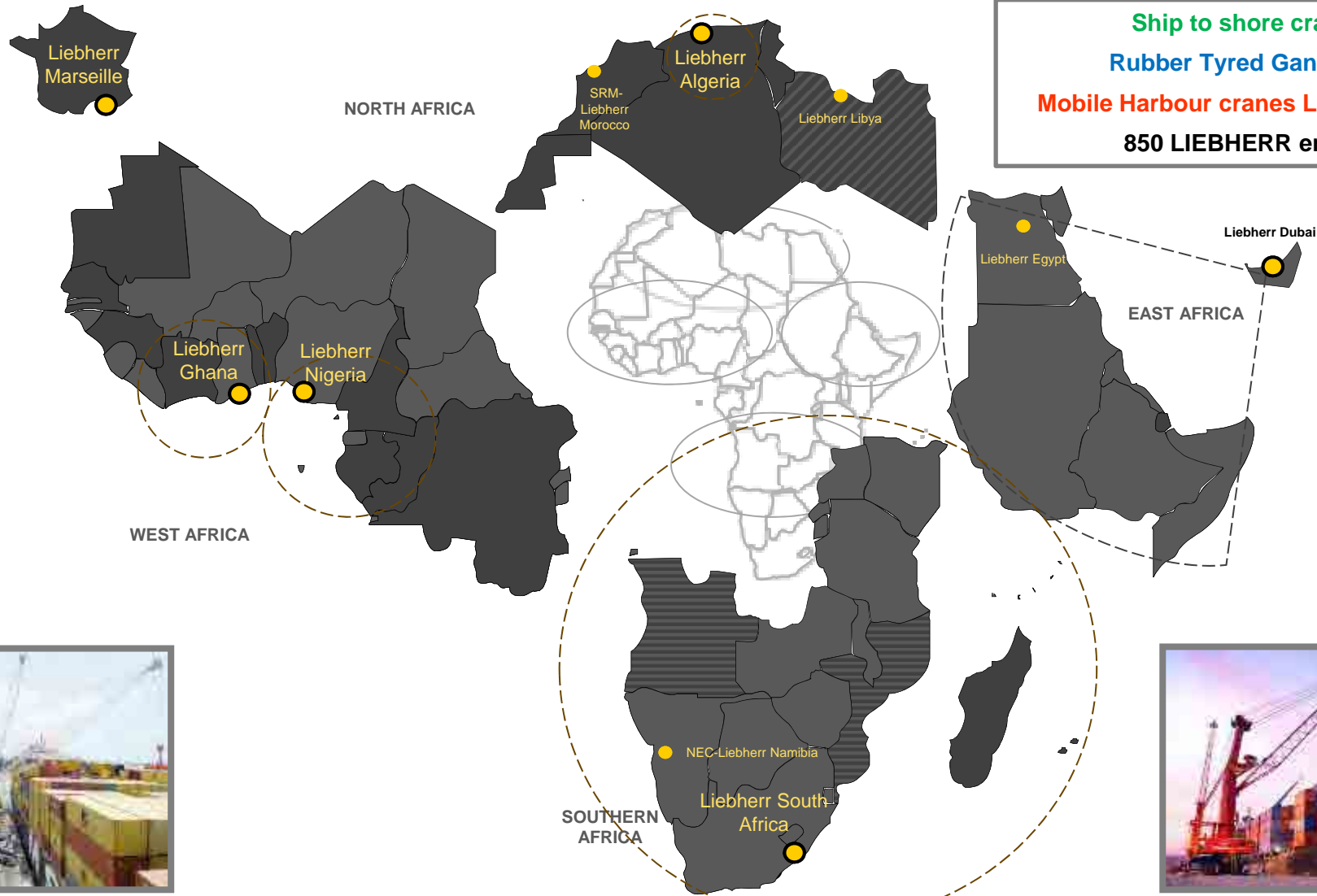


LIEBHERR in Africa



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LIEBHERR in Africa – Sales & After sales network



Ship to shore cranes: 45+
Rubber Tyred Gantries: 18+
Mobile Harbour cranes LHM: 150+
850 LIEBHERR employees



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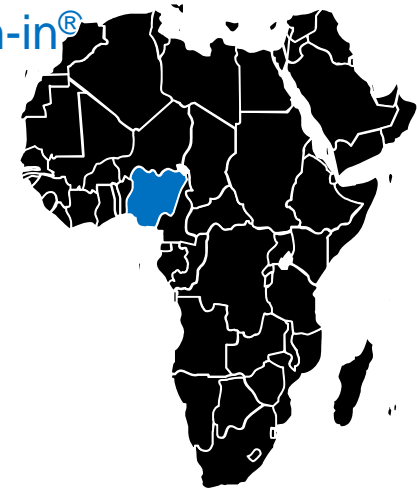


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Mobile Harbour Cranes

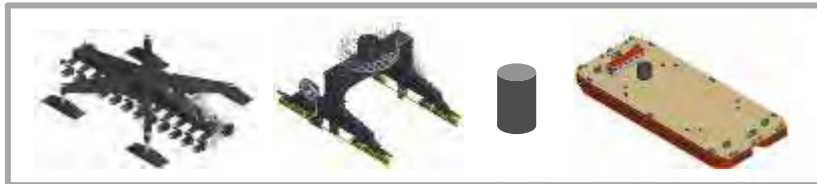
Current Innovations and new technologies for safer and more productive port equipment

- Safety and Semi automation with Cycoptronic® and Teach-in®
- Advanced training with LIEBHERR Simulator®
- Boost speed with Pactronic®
- Discover Potential with Lidat®



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LIEBHERR – Mobile harbour crane LHM



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LIEBHERR – Mobile harbour crane LHM - Container



LIEBHERR – Mobile harbour crane LHM - Container



LIEBHERR – Mobile harbour crane LHM - Bulk



18 Henner Rodenwoldt

date: 28/03/2014

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LIEBHERR – Mobile harbour crane LHM – Heavy Lift



19 Henner Rodenwoldt

date: 28/03/2014

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Safety and semi automation

with

Cycloptronic®

Teach-in®



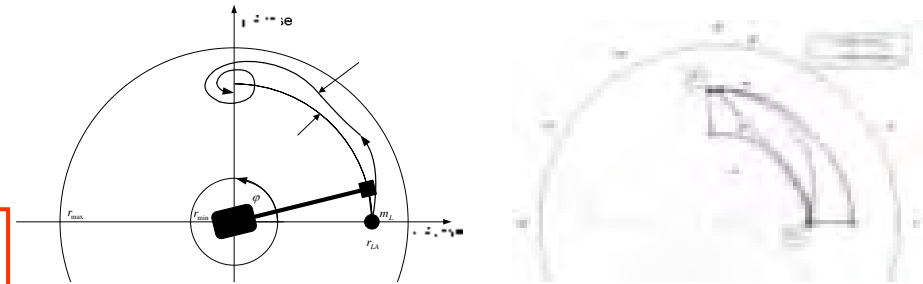
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Safe into semi automation – with *Cycoptronic*[®]



**Load Path
calculation**

Accurate and Sway-Free Movement Controlled by Software



- Highest safety level in operation
- Increased and more steady production rate
- Motivation of crane operators
- Faster training for crane operators
- Higher safety and less damage for your customers shipping lines
- Useful in all weathers at any time of day
- No impairment of dust or other environmental conditions
- Reduction of insurance premiums

**Integrated part of the Liebherr Litronic[®]
crane control system (patented)**

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Safe into semi automation – with Teach-in®





Advanced training

with LIEBHERR

Simulator®



Advanced training – with Liebherr Simulator®





Boost speed with Pactronic®



BOOST SPEED – with Pactronic®



Practical result – on a LHM 550



“... we are reaching frequently a peak turnover of 1.800 t/hour... „





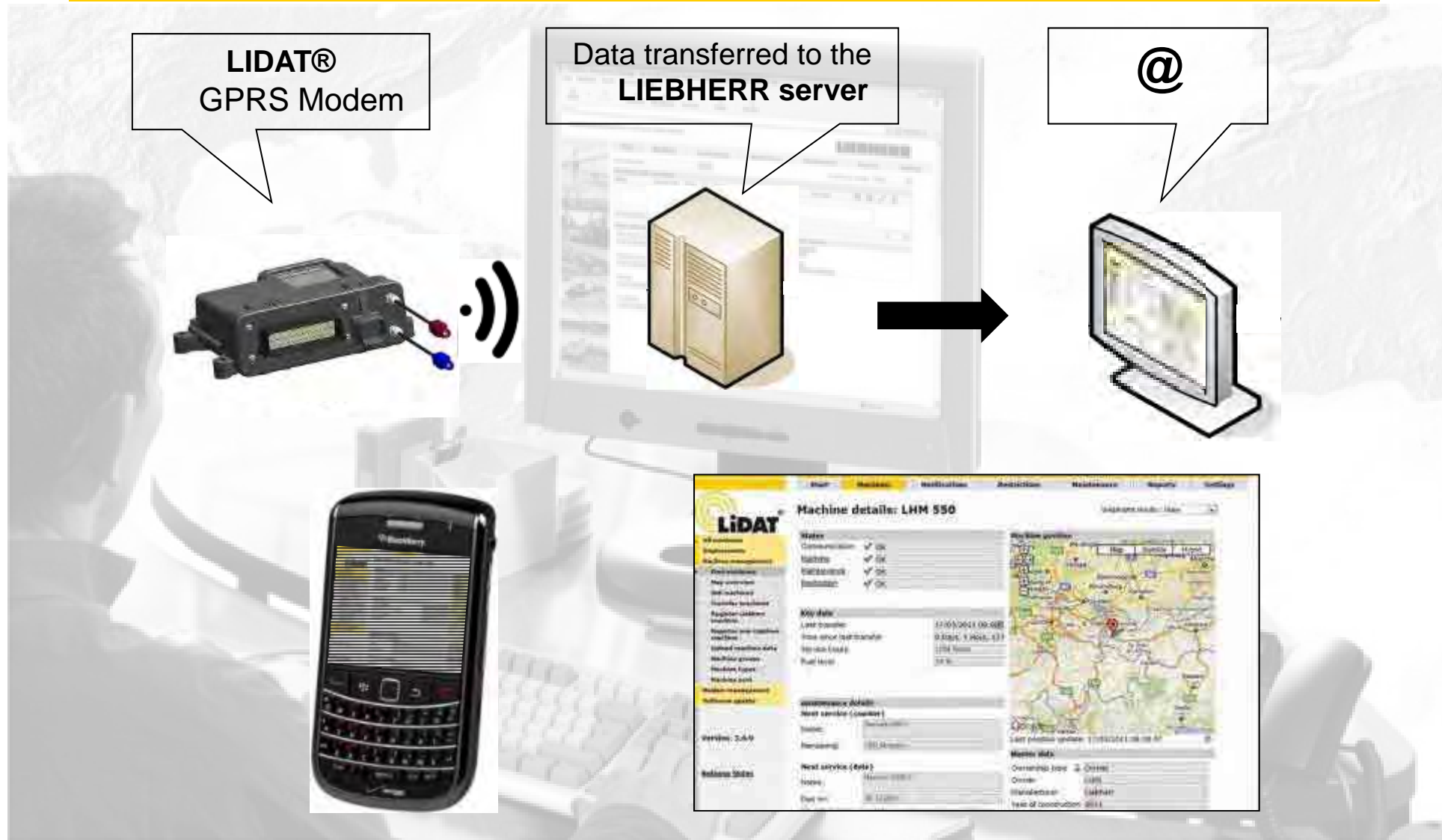
Discover Potential with Lidat[®]



Discover potential – with Lidat®



LIDAT® – What is it? How it works?



LIDAT® – Webpage



Start **Machines** Notifications Restrictions Maintenance Reports Settings

LIDAT® Machine details: 140868 WebData mode: time

Machine position

Last update: 09/07/2012 18:00:19

Master data

Ownership type	Owner
Serial	CAN
Manufacturer	Liebherr

Maintenance details

Next due maintenance	
ID	machine-maintenance-1011-operating-time
Date	06/08/2012

Version: 4.5.0

[Release Notes](#)

LIDAT® - Real Time Service



Port Director/manager

Technical & Maintenance Staff

LIDAT® Benefits - Directors/Managers



Get online/real time operation reports to optimize operation

Program alerts, ex. Wind speed.





Get detailed reports easy

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LIDAT® Benefits – Technical & maintenance staff



Get **full info** about the crane status and historic

Maintenance scheduling, thought notifications and alerts messages    

Get a full **TELESERVICE assistance** by LIEBHERR service engineer who can log directly on the crane, diagnostic, and carry out online troubleshooting



LIDAT® - Teleservice by a Liebherr Engineer





Restart work as soon as possible

- Shorter stand still times
- Faster support
- High availability ratio



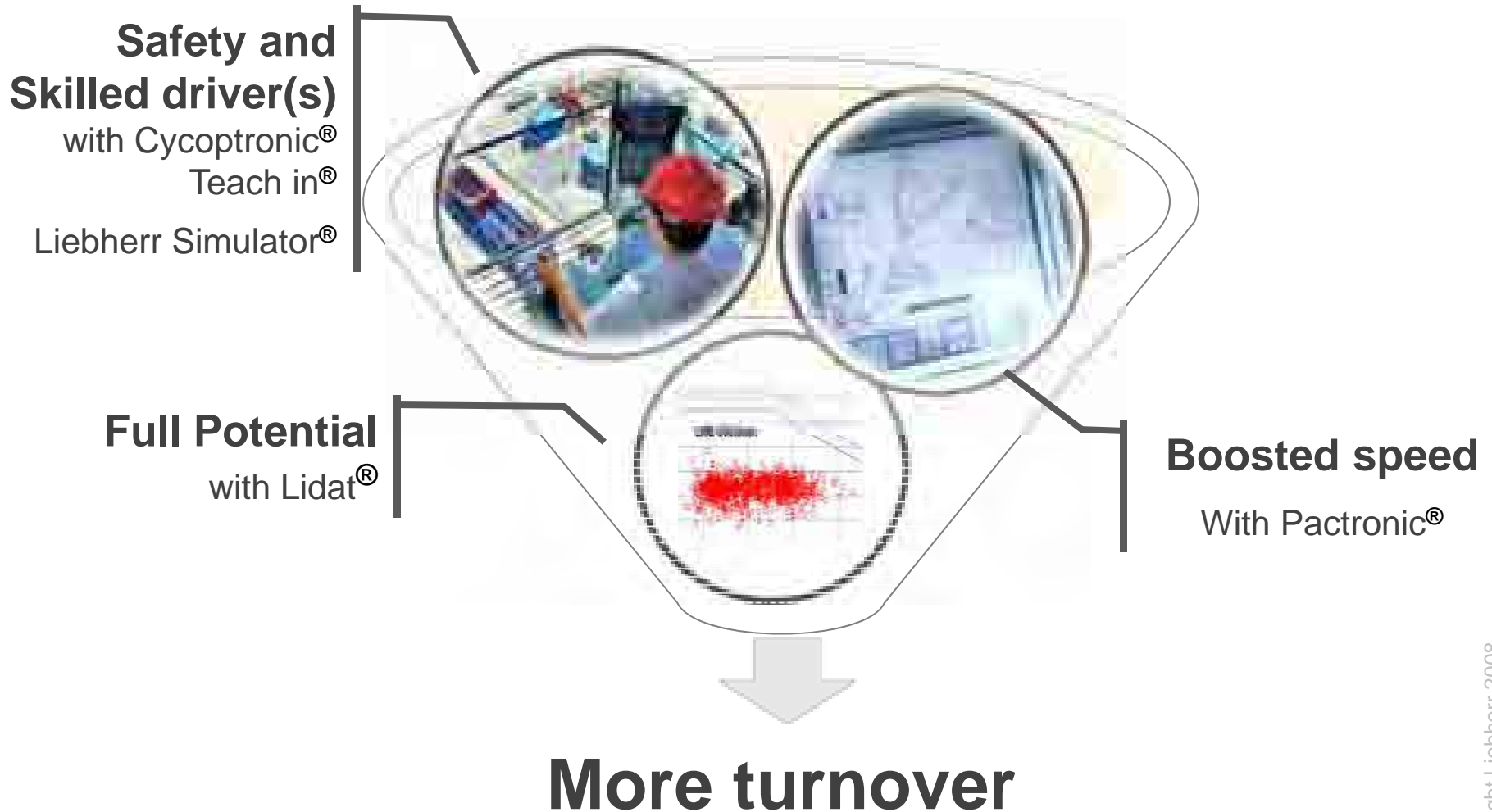
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CONCLUSION



Conclusion



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Thank You



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