



# ***ATLAS COPCO CREATES VACUUM TECHNIQUE***

August 18, 2016

New Group structure from January 1, 2017



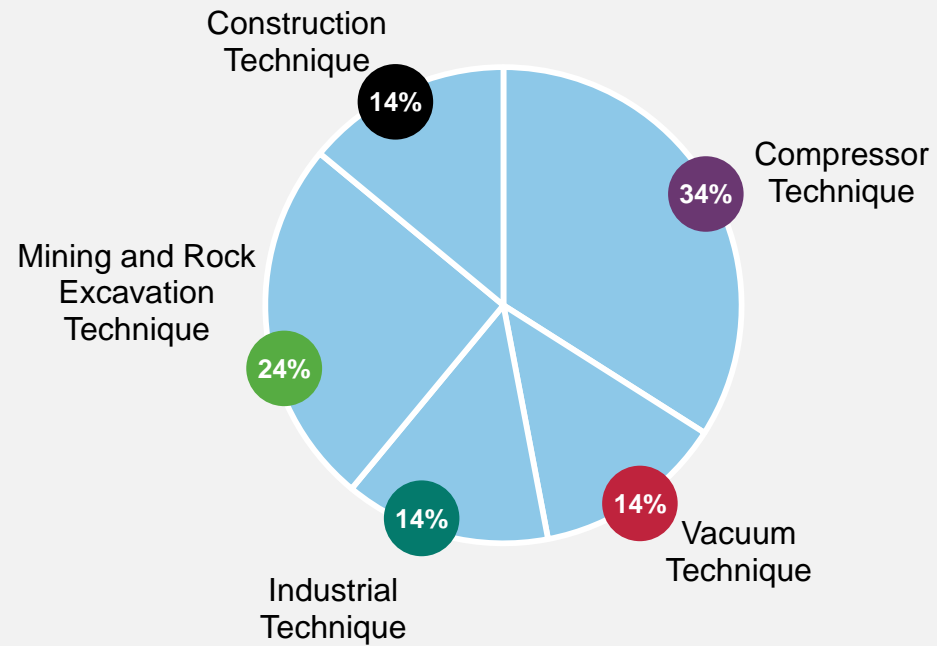
# ***WHY SEPARATE BUSINESS AREA?***

## **Vacuum Technique**

- Vacuum is a growth area
- Vision is to become global market leader in vacuum solutions
- A dedicated organization can focus entirely on the vacuum business
- Compressor Technique can focus entirely on industrial compressor business

# SUPPORTING A WIDE VARIETY OF INDUSTRIES

*Revenues by business area*

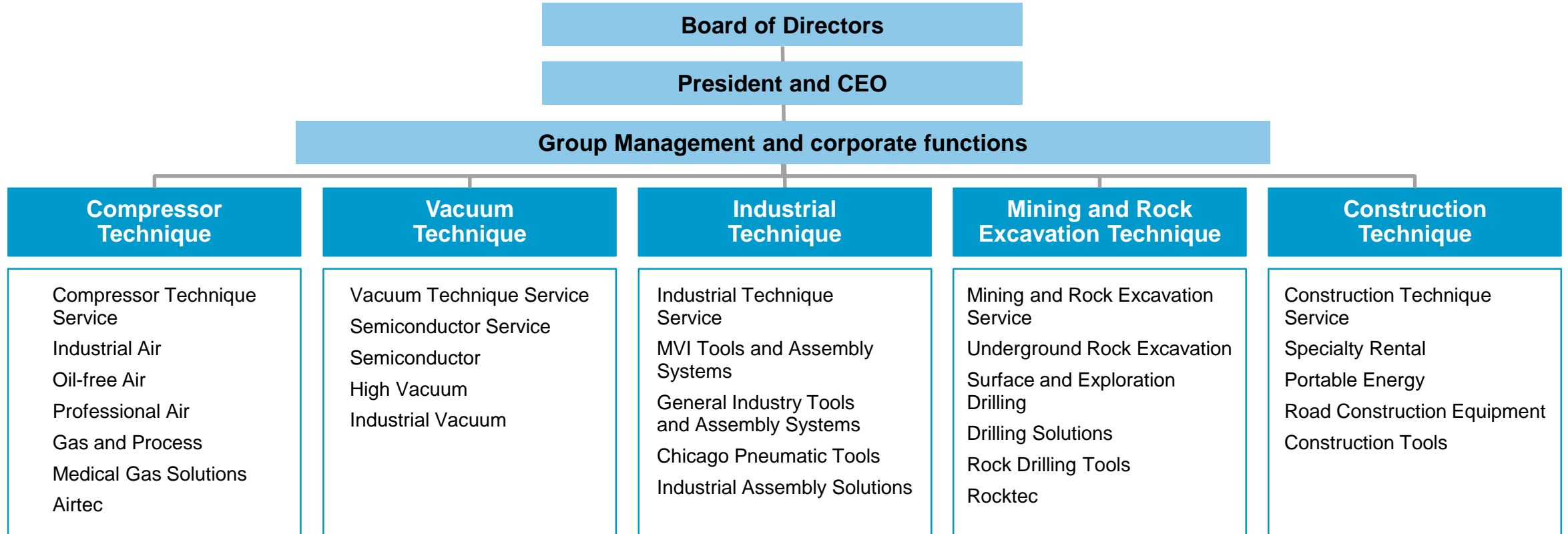


12 months ending June 2016 including Leybold and CSK (when acquired)



# FIVE BUSINESS AREAS AND 28 DIVISIONS

## A decentralized Group



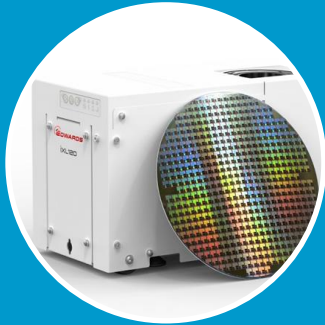
# BUSINESS AREAS

June 2016, 12 months figures – restated



## COMPRESSOR TECHNIQUE

- Revenues MSEK 35 828
- 22.9% EBIT-margin
- 67% ROCE
- 42% Service
- 15 095 Employees



## VACUUM TECHNIQUE

- Revenues MSEK 10 465
- 20.0% EBIT-margin
- 15% ROCE
- 24% Service
- 3 989 Employees



## INDUSTRIAL TECHNIQUE

- Revenues MSEK 14 526
- 22.4% EBIT-margin
- 31% ROCE
- 29% Service
- 6 050 Employees



## MINING AND ROCK EXCAVATION TECHNIQUE

- Revenues MSEK 24 899
- 17.5% EBIT-margin
- 31% ROCE
- 70% Service/consumables
- 11 135 Employees

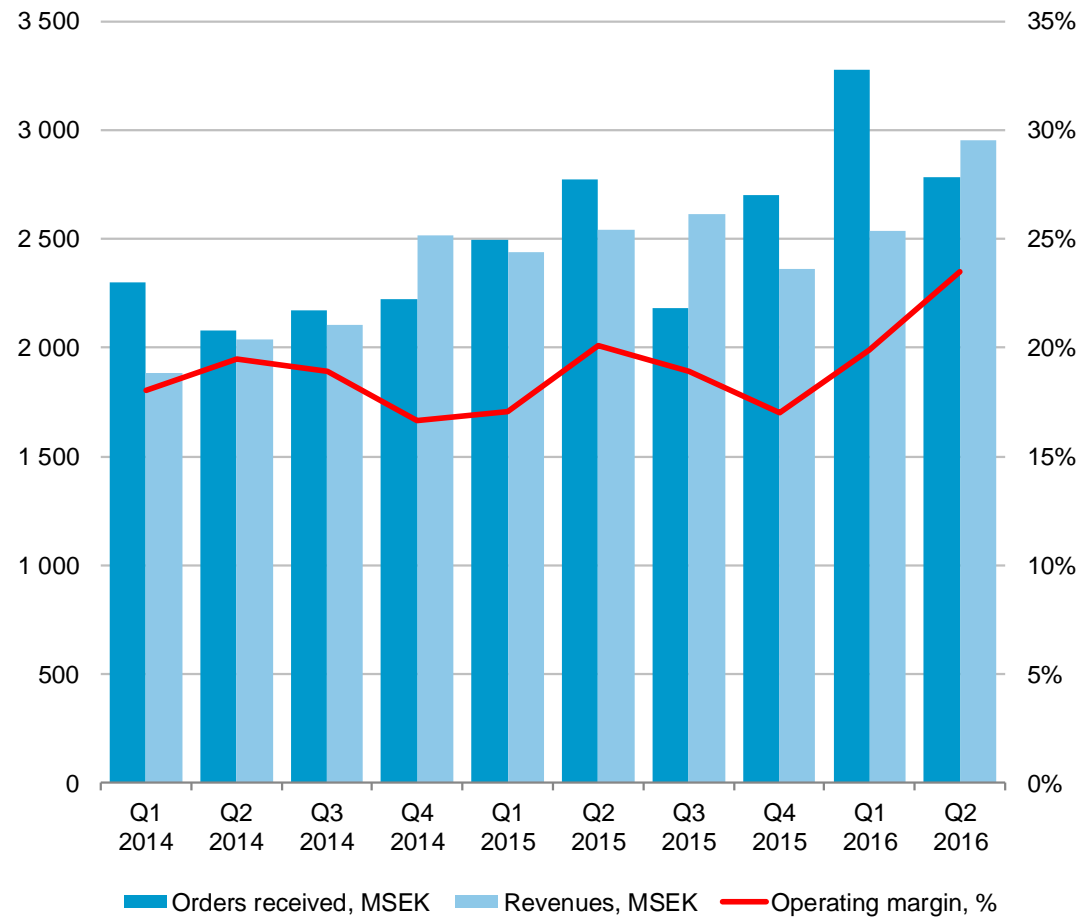


## CONSTRUCTION TECHNIQUE

- Revenues MSEK 14 663
- 12.5% EBIT-margin
- 13% ROCE
- 34% Service/rental
- 5 502 Employees

# VACUUM TECHNIQUE

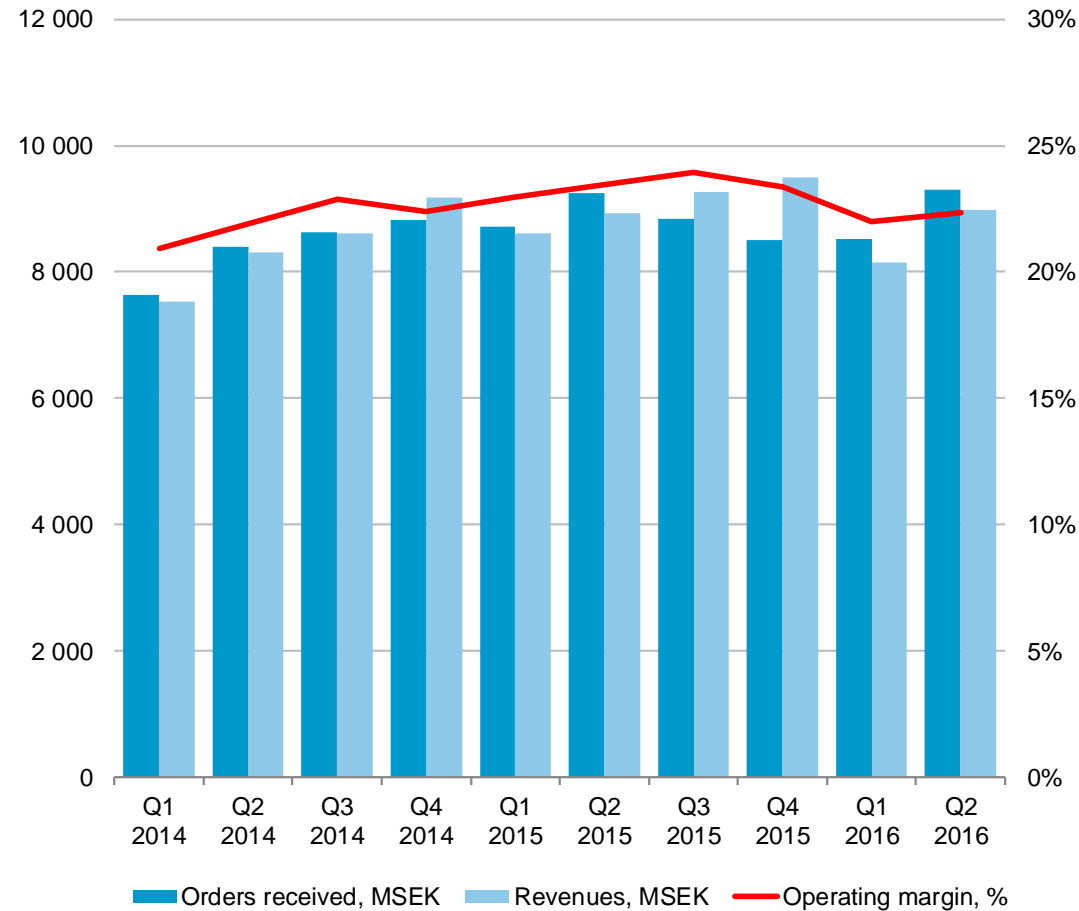
## Quarterly order intake, revenues and operating margin – restated



- Key figures are available on: <http://www.atlascopcogroup.com/investor-relations>

# COMPRESSOR TECHNIQUE

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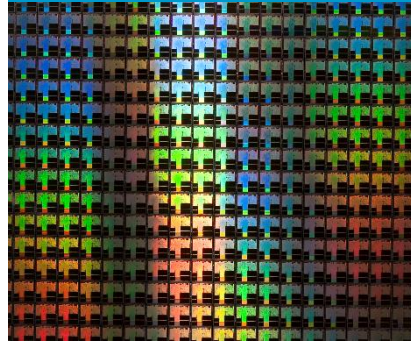


# VACUUM TECHNIQUE

## *Vacuum products*



Semiconductor



Flat panel displays



Solar panels



Metallurgy



## *Exhaust management systems*



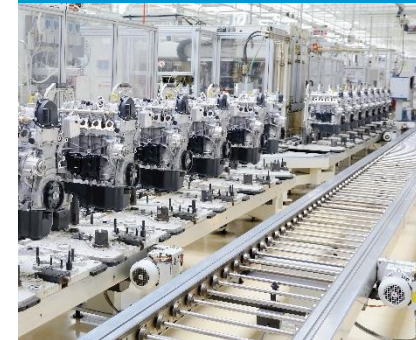
Food & beverages



Packaging



Conveying and assembly



...and more





# FACTS IN BRIEF



## Edwards / Vacuum solutions division 2015

- Headquarters: Burgess-Hill, UK
- Employees (2015): 3 903 + 759 add. workforce
- Revenue (2015): MSEK 9 955

### Business description

- A leading developer and manufacturer of vacuum products, exhaust management systems and related services
  - Strong presence in the semiconductor industry

## Products



# FACTS IN BRIEF

## Leybold overview

- Headquarters: Cologne, Germany
- Employees: > 1 600
- Revenue (2015): MCHF 360 (MSEK 3 100)
- Business description
- Leader in industrial vacuum with significant presence in high vacuum

## Products



**DRYVAC**  
Dry Compressing  
Screw Pumps



**TURBOVAC i X**  
Mechanical  
Turbomolecular Pumps



**TMP MAG Line**  
Turbomolecular Pumps

**TRIVAC**

Rotary Vane  
Vacuum Pumps



**SOGEVAC**  
Rotary Vane  
Vacuum Pumps



**RUVAC**  
Roots Vacuum  
Pumps



**TURBOSTREAM**  
Turbo radial Blowers



**TMP Classic Line**  
Turbomolecular Pumps

**SCROLLVAC**

Dry Compressing  
Scroll Vacuum Pumps



**SCREWLINE**  
Dry Compressing Screw  
Vacuum Pumps



**COOLVAC**  
Cryo pumps

**SYSTEMS**

Standardized & customized



# FACTS IN BRIEF

## CSK overview

- Headquarters: Gyeonggi-do, South Korea
- Employees: 400
- Revenue (2015): BKRW 124.5 (MSEK 870)
- Business description
- A leading supplier of exhaust management and delivery systems in the Korean market, focused on semiconductor market

## Products

- Exhaust management systems

- Burn & Wet



- Plasma & Wet



- Thermal & Wet



- Wet

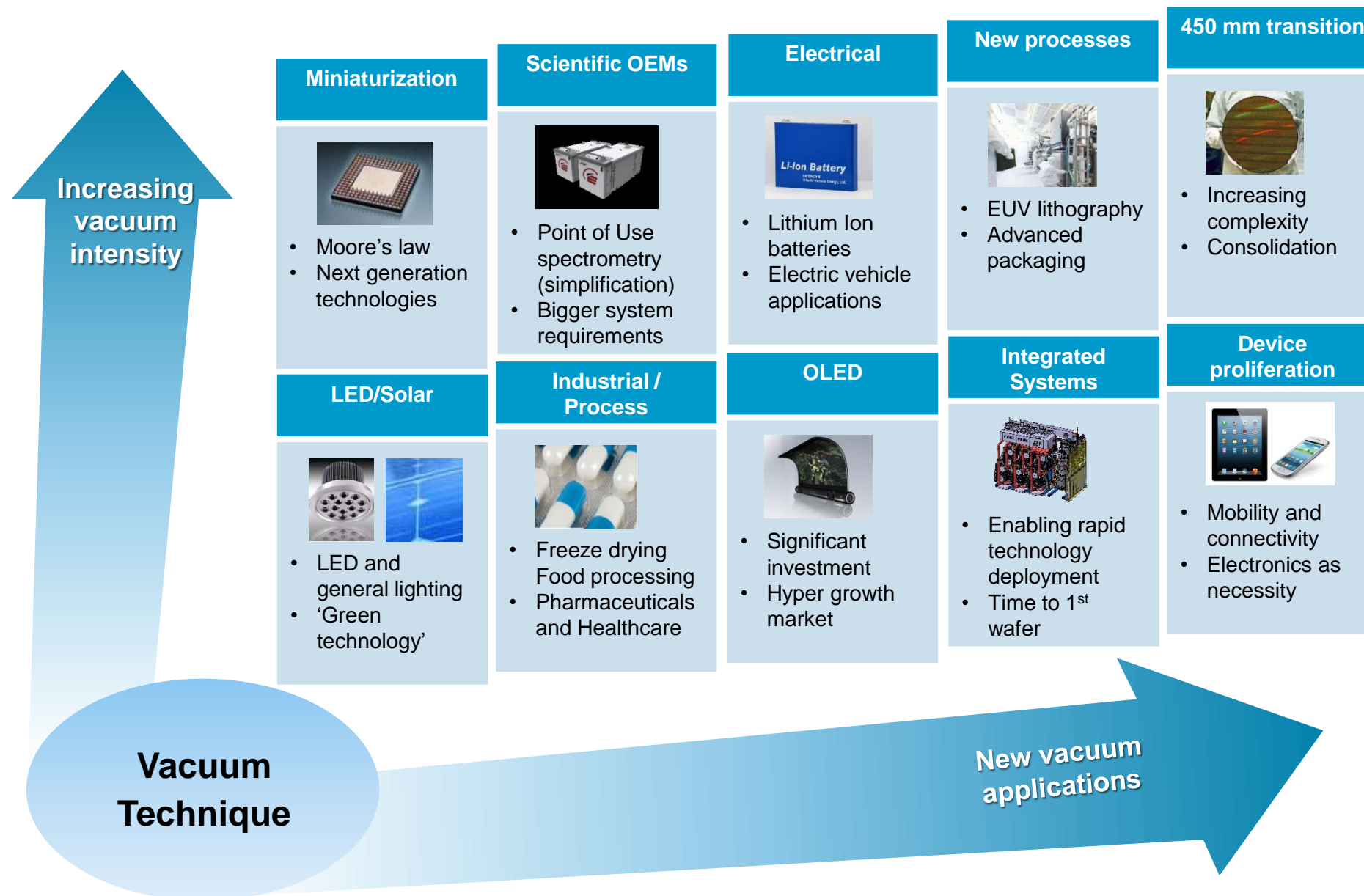


- Delivery systems



**CSK**

# VACUUM – A GROWING MARKET



# VACUUM TECHNIQUE

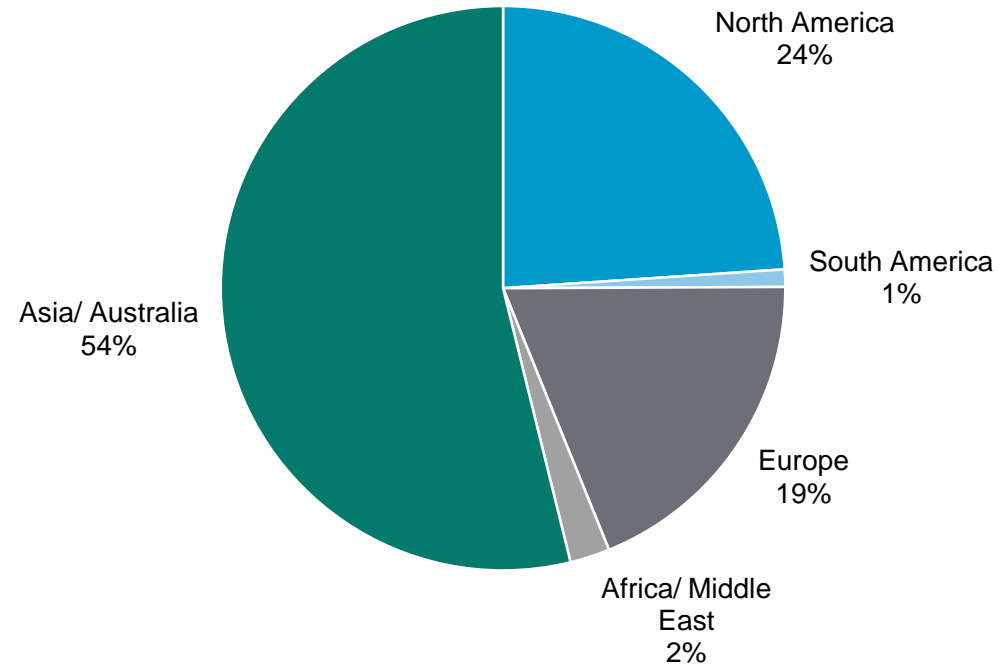
	Rough, process and industrial vacuum	Semiconductor	High and ultra high vacuum
Typical operating pressure	1 bar - 10 <sup>-6</sup> mbar	10 <sup>-3</sup> - 10 <sup>-6</sup> mbar	10 <sup>-3</sup> - 10 <sup>-11</sup> mbar
Applications main classifications	<ul style="list-style-type: none"> <li>• <b>Rough vacuum</b> Packaging, printing, pick-up and conveying, medical etc.</li> <li>• <b>Process vacuum</b> Chemicals, petrochemicals, pharmaceuticals, plastics, food and beverage, textile, paper, etc.</li> <li>• <b>Industrial vacuum</b> Metallurgy, vacuum heat technology, laser technology, electron tubes, light bulbs, industrial leak detection, automotive, etc</li> </ul>	<ul style="list-style-type: none"> <li>• <b>Semiconductor process vacuum</b></li> <li>• <b>TFT-LCD display</b></li> </ul>	<ul style="list-style-type: none"> <li>• <b>Thin film</b> LED, Glass/web/optical coating, data storage, surface coatings, display coatings, solar, etc.</li> <li>• <b>Instrument</b> Mass spectrometer, electron microscope, metrology, leak detection, analysis, etc.</li> <li>• <b>R&amp;D</b> Universities, laboratories, scientific research, space simulation, etc.</li> </ul>
Main brands used	<ul style="list-style-type: none"> <li>• Leybold</li> <li>• Edwards</li> <li>• Atlas Copco</li> <li>• Quincy</li> </ul>	<ul style="list-style-type: none"> <li>• Edwards</li> <li>• CSK</li> </ul>	<ul style="list-style-type: none"> <li>• Edwards</li> <li>• CSK</li> <li>• Leybold</li> <li>• Gamma</li> </ul>



# VACUUM TECHNIQUE

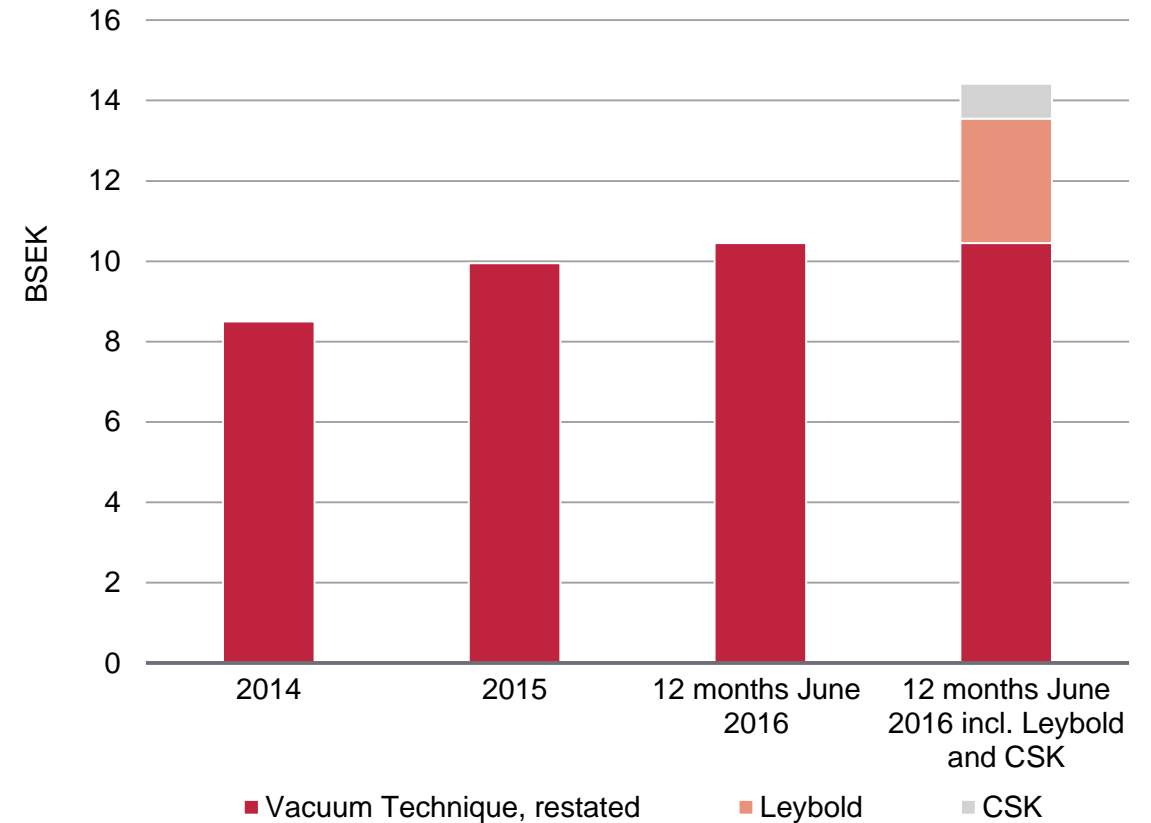
## Including Leybold and CSK

Revenues by region



Revenues by region including Leybold and CSK (when acquired)

Revenues



***COMMITTED TO  
SUSTAINABLE PRODUCTIVITY.***



*Atlas Copco*

