




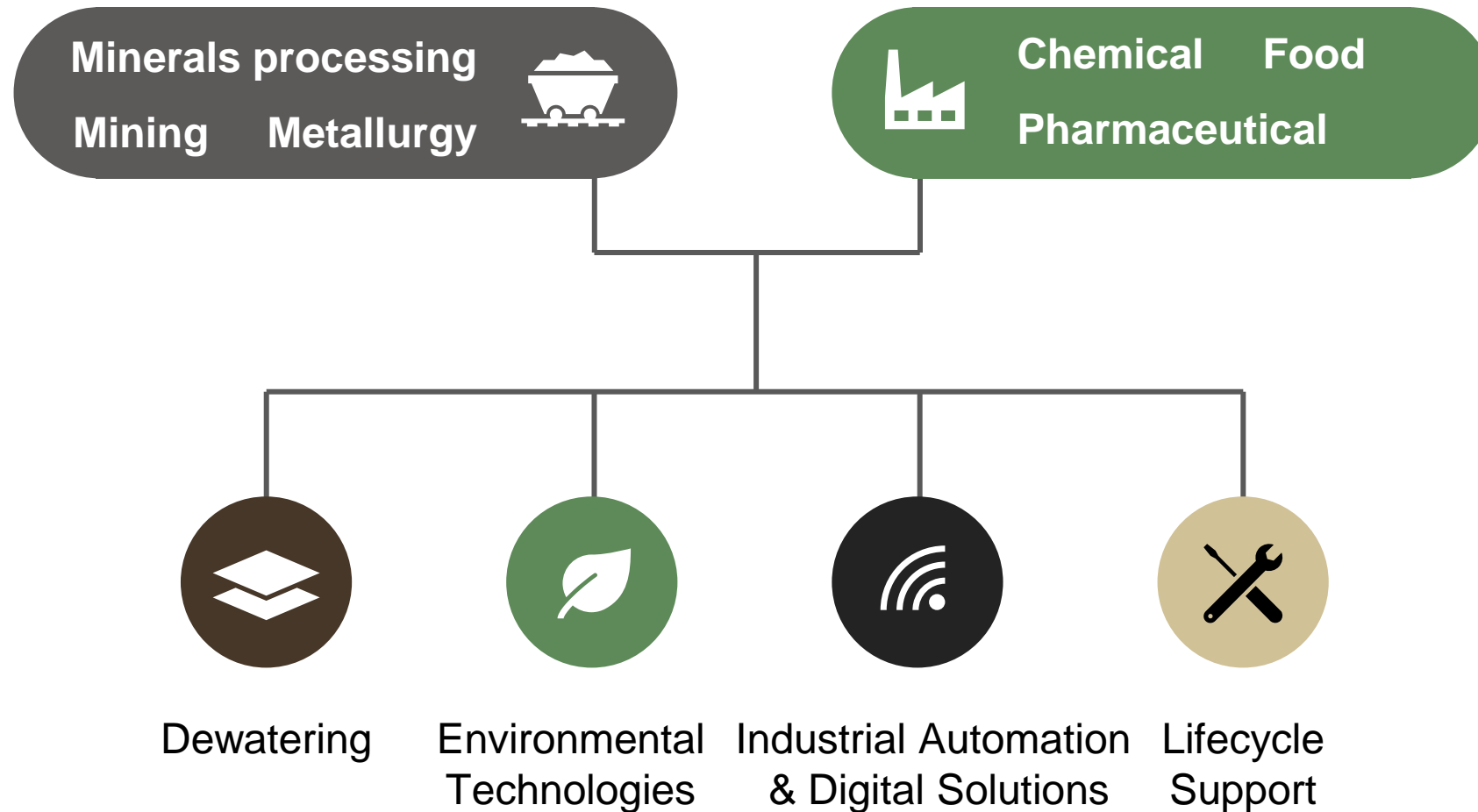
ROXIA
PERFORMANCE — DRIVEN BY PEOPLE

Company Presentation



Improving performance
is our mission

Our Focus



Quality, Environment, Safety & Health



—
**We achieve by
working together**

EMPLOYEES

120 +



2021
TURNOVER



46 M€

Invoicing outside
Finland

74 %



OUR VALUES

PEOPLE

PASSION

PERFORMANCE

10

SUBSIDIARIES



Australia

Peru

Chile

South Africa

China

Sweden

Finland

Russia

Germany


USA

3rd

GENERATION

Family-owned company



A man with a beard, wearing a white hard hat, safety glasses, and a high-visibility yellow vest over a grey t-shirt, is looking at a tablet in a factory setting. He is also wearing a yellow communication device around his neck and black gloves. The background shows industrial machinery and a bright light source.

**Customer
service is in
our DNA**

Headquarters
Lappeenranta,
Finland

Stockholm,
Sweden

Moscow,
Russia

Düsseldorf,
Germany

Baltimore,
USA

Shanghai,
China

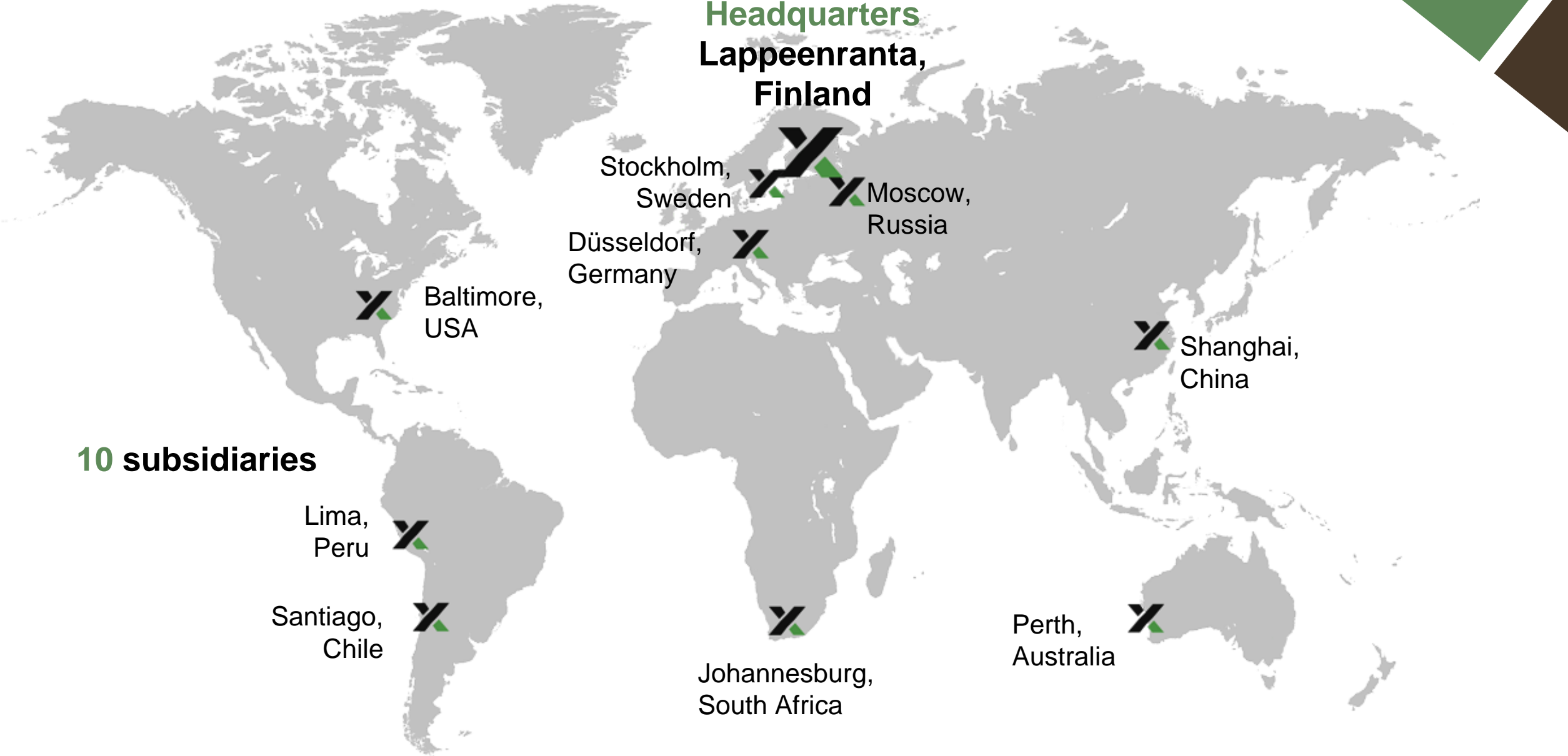
10 subsidiaries

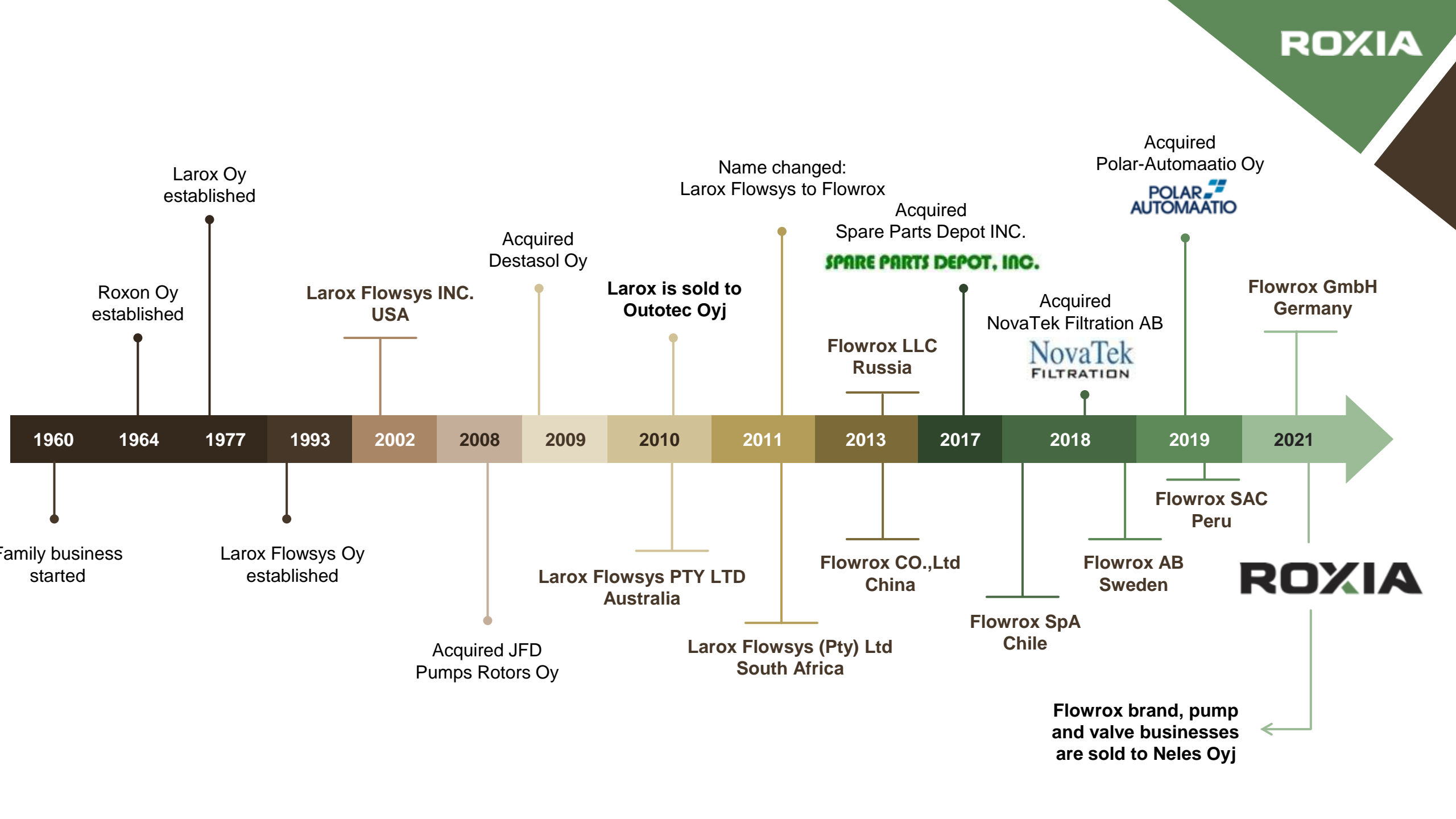
Lima,
Peru

Santiago,
Chile

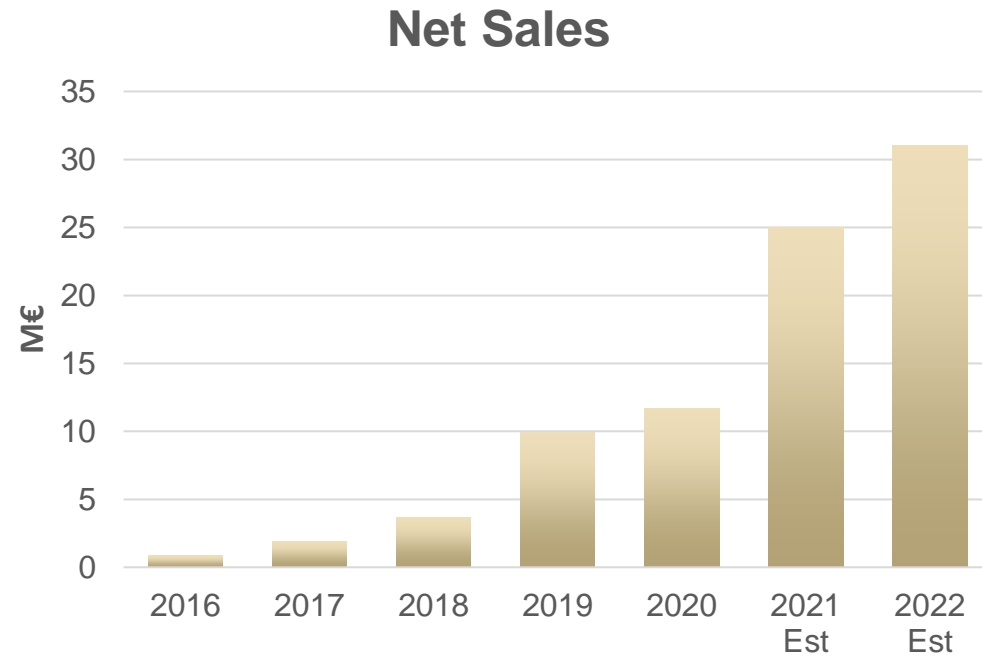
Johannesburg,
South Africa

Perth,
Australia





Growth of Roxia Businesses



| Year | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 est. |
|------------|-------|---|--|---|--|---|---|
| Net sales | Start | 0,9 M€ | 1,9 M€ | 3,7 M€ | 9,9 M€ | 11,7 M€ | 20-25 M€ |
| Growth | | | 111 % | 95 % | 165 % | 18 % | 71 % |
| Experience | | <ul style="list-style-type: none"> Digital Solutions | <ul style="list-style-type: none"> Filter Service | <ul style="list-style-type: none"> Filter Press Ceramic Disc Filter Smart Filtration Mobile geotextile unit | <ul style="list-style-type: none"> Industrial automation Plasma technology Smart Filter Press | <ul style="list-style-type: none"> Tower Press | <ul style="list-style-type: none"> Aerator |

Dewatering Portfolio

Engineered to excellence

Roxia Tower Press™

- Driest filter cake
- Single cloth with fully automatic cake discharge
- Filtration area 60 – 144 m²
- Production up to 85 t/hour



Roxia Smart Filter Press™

- Unmanned availability above 98 %
- Low maintenance need
- Filtration area 1,2 – 22,3 m²
- Completely sealed for clean work environment



Roxia Filter Press™

- Filtration area up to 2000 m² per filter
- Chamber volume up to 46 m³
- Filtration pressure up to 30 bar
- Production up to 250 t/hour



Roxia Ceramic Disc Filter™

- Clearest filtrate with lowest energy consumption
- Continuous visible operation
- Filtration area 15 – 120 m²
- Production up to 200 t/hour



Filter Service

Complete Life Cycle Support

- For Roxia and other brand industrial filters
 - Tower presses
 - Filter presses
 - Ceramic disc filters
- Spare parts with original quality and performance
- Process optimization services
- Maintenance and expert advice
- Modernisations, expansions and refurbishments
- Remote support with Roxia Digital Solutions



Environmental Technologies

Best choice for the environment

Roxia Plasma Oxidizer™

- Groundbreaking technology for water purification and disinfection
- Direct non-thermal plasma oxidation
- Chemical free and low-cost operation
- Process water microbial control and quality upkeep
- Special organic pollutant removal
 - Pharmaceuticals
 - Biocides
 - Flotation and leaching agents
 - Phenolic substances, BTEX, etc.



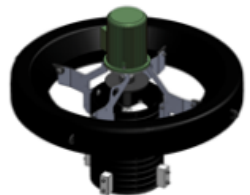
Containerized Unit Operations

- Containerized units for wastewater treatment processes
 - Screening,
 - Chemical dosing,
 - Flotation,
 - Dewatering etc.



Roxia Floating Aerator™

- Turbine surface aerator for ponds and basins
- Industrial wastewater treatment
- Effective bottom-to-top mixing
- High efficiency, low initial investment & low energy consumption



Environmental Technologies Service

Complete Life Cycle Support

- Genuine spare parts
- Remote support with Roxia Digital Solutions
- Process optimization services
- System operation
- Maintenance and expert advice



Industrial Automation & Digital Solutions

Reliable systems you can trust

Independent service provider for all industries

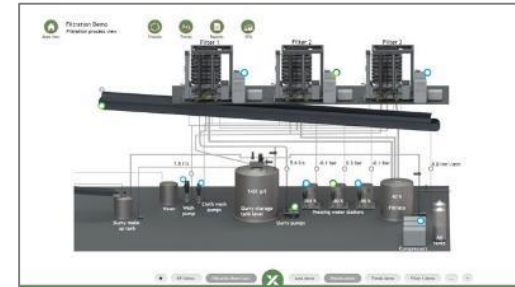
Automation Solutions

- Turn-key solution delivery
- PLC and DCS systems
- Complete instrumentation deliveries
- Process electrification



Digital Solutions

- Remote monitoring & online reporting
- Identify root causes for downtime
- Condition monitoring & fault notifications
- AI analytics for predicting disturbances



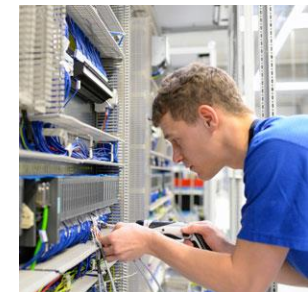
Engineering

- Complete EIA design (electrification, instrumentation & automation)
- Basic and detailed engineering
- Project engineering
- PLC and DCS programming



Control Cabinets

- PLC / DCS cabinets
- Remote IO cabinets
- Junction & local control panels
- Combined LV & control cabinets





Automation Service

Complete Life Cycle Support

- Site services
 - Site management
 - Installation supervising
 - Cold and hot commissioning
- Maintenance services
 - Electric drive maintenance & repair
 - Field instruments maintenance & calibration
 - Control system maintenance & inspection
- Electrical installations
- Remote support
- EIA spare parts

Cooperation with LUT University

- Roxia owners are one of the founders & supporters of Centre for Separation Technology
- Roxia employs 20+ M.Sc. and 4 D.Sc. from LUT
- Mentored 100+ Master's thesis
- Green Campus – development of environmental technologies
- Donated 2,6 M€ for research & sponsored professorships
- Cooperation in research projects and studies
- Roxia helps commercialize scientific technology research





Thank you

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