

## Service & Sustainability Focus Day

Afternoon  
Session



### Pushing sustainability forward in a 24/7 industry with long product lifecycles

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Sustainability Manager at Burckhardt Compression



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# **PUSHING SUSTAINABILITY FORWARD IN A 24/7 INDUSTRY WITH LONG PRODUCT LIFECYCLES**

**OCTOBER 2022**



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# BURCKHARDT COMPRESSION IN A NUTSHELL

# Key technology for process industry and energy supply

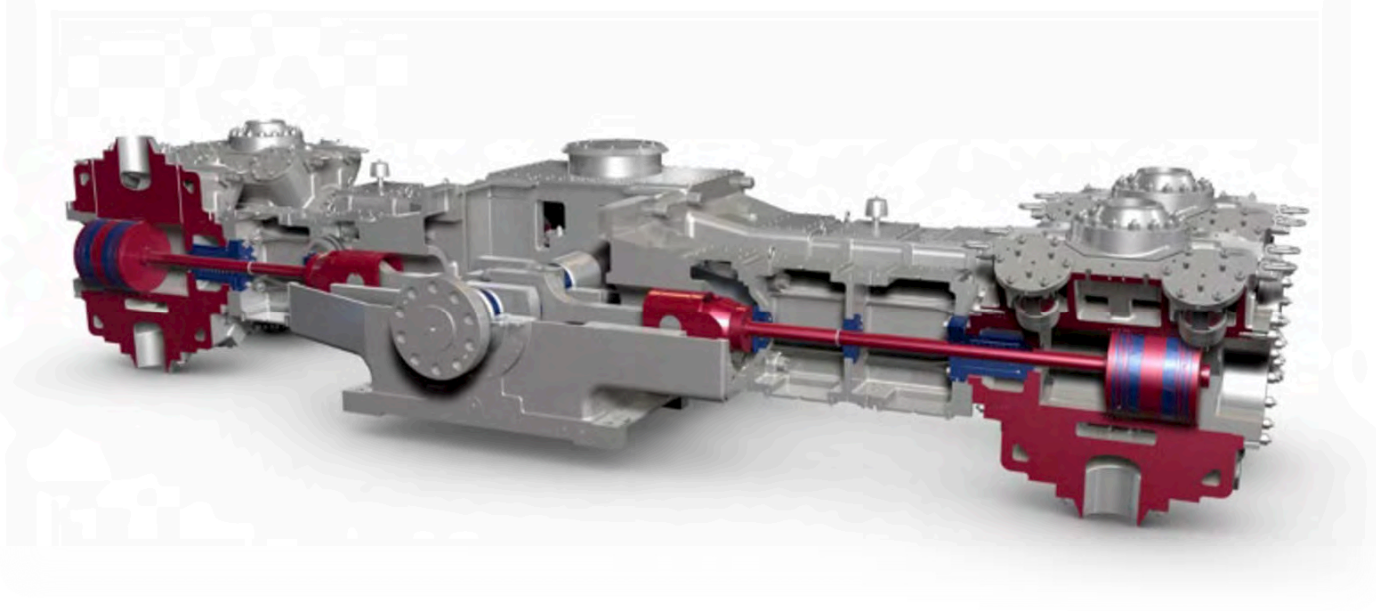




# Reciprocating compressor – how it works

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Compressing gas in industrial quantities at high pressure usually requires a reciprocating compressor



# 2'732 qualified employees around the world

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# Optimal gas compression solutions and services

## Compression systems



### Highly reliable compressors



We select the right compressor from our comprehensive portfolio of products proven in the field in the most demanding applications

### Full compression solutions



We engineer complete systems in-house in close collaboration with our customers and use proven and qualified suppliers

## Services solutions



### Optimizing your compressor system



We use newest technologies to optimize your compressor installation towards energy savings or emission reduction

### Turning partnership into success



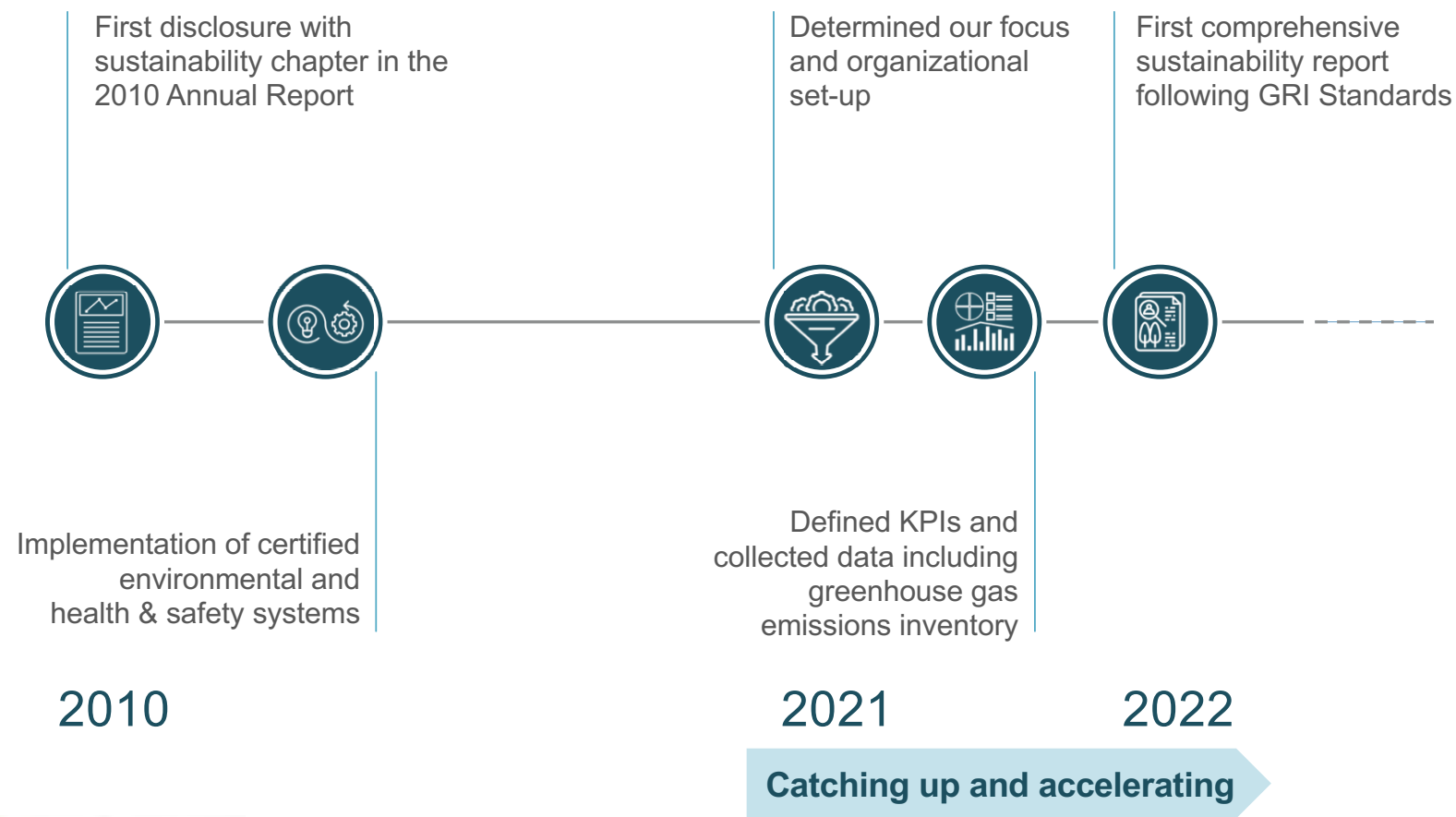
We offer the full range of services for your compressors throughout the entire life cycle – regardless of brand, application or issue

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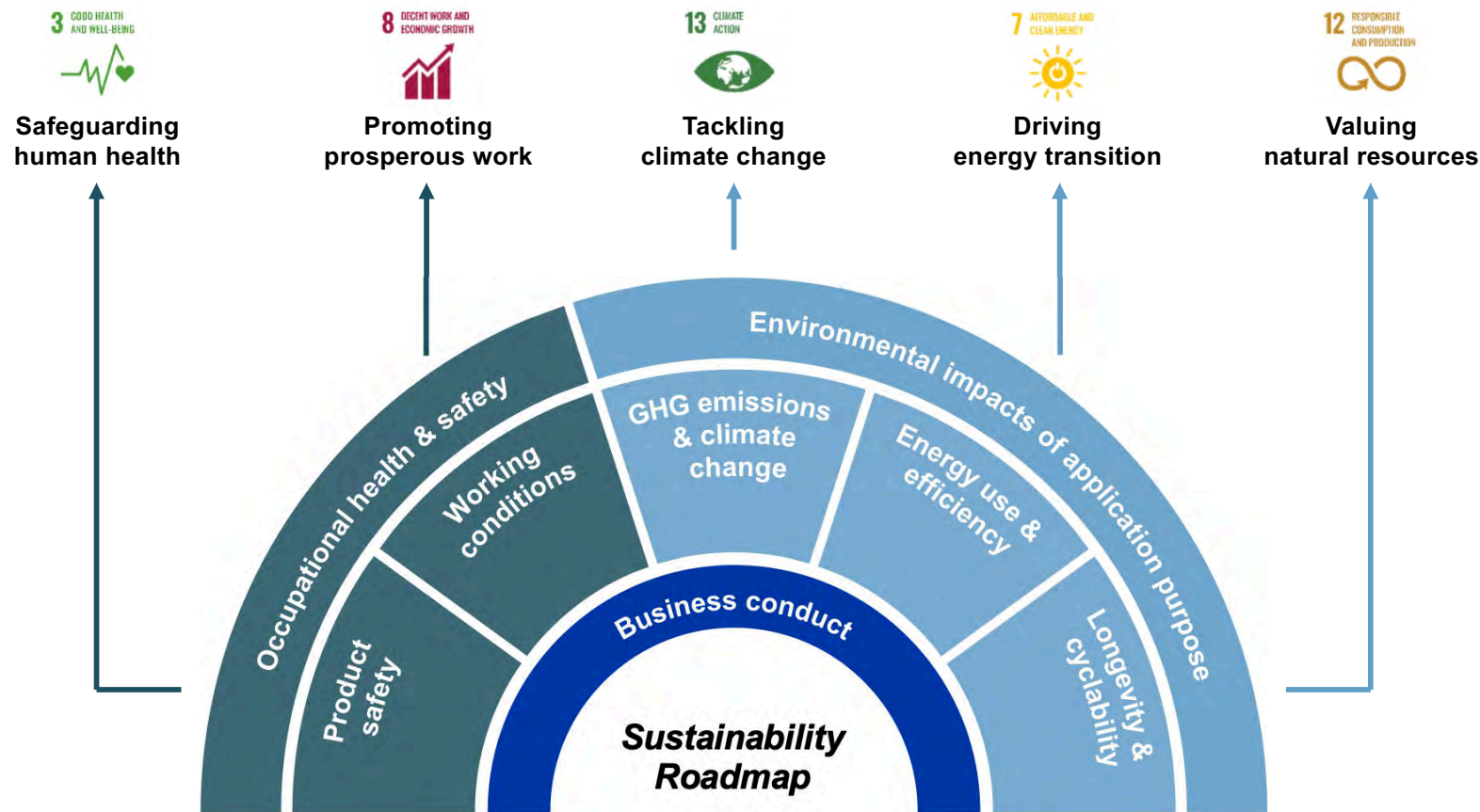
# OUR SUSTAINABILITY JOURNEY



# Accelerating our structured sustainability journey



# We focus on eight material sustainability topics



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# WHY DOES IT MATTERS FOR SERVICES?

# We build compressors for a lifetime

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**> 50%**

of compressors with Burckhardt  
Compression serial number have  
been in service for more than

**20 years**

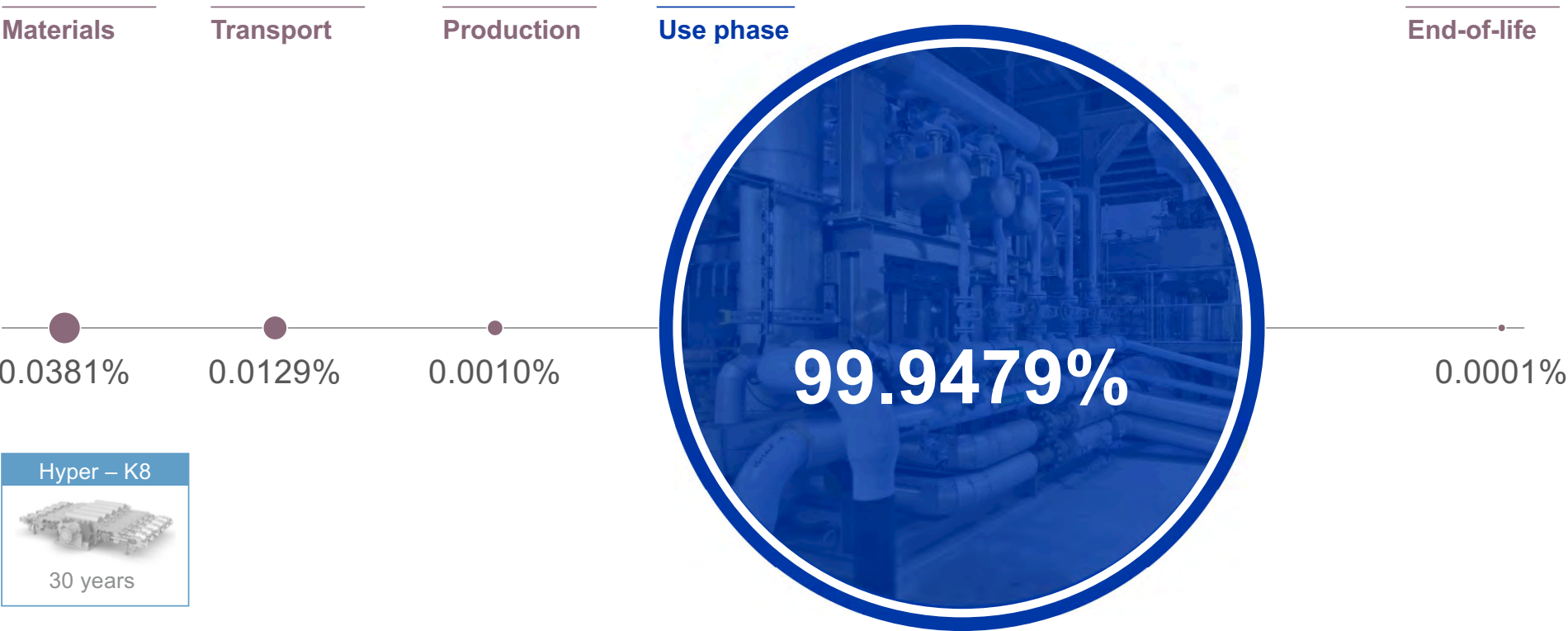
Our oldest known compressor  
still in service in Canada  
has an age of

**92 years**



# Main impacts in the use-phase of compressors

The CO<sub>2</sub> footprint of a compressor in its lifetime





# How does a sustainable economy look like?

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Shift from a production centered economy to a service centered economy

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# HOW WE CONTRIBUTE TO A SUSTAINABLE ECONOMY THROUGH SERVICES



# We love to provide services that matter – hands on

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**Component solutions**



**Maintenance and repair solutions**



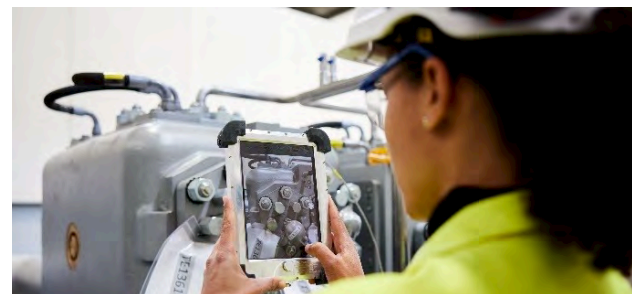
**Technical consultancy and training solutions**



**Revamp and engineering solutions**



**Partnership solutions**



**UP! Solutions**

# Enable energy savings through revamp and upgrades

Example: Existing compressor adapted to new process

Considerable energy savings enabled

**1'800** MWh

per year is equivalent to:



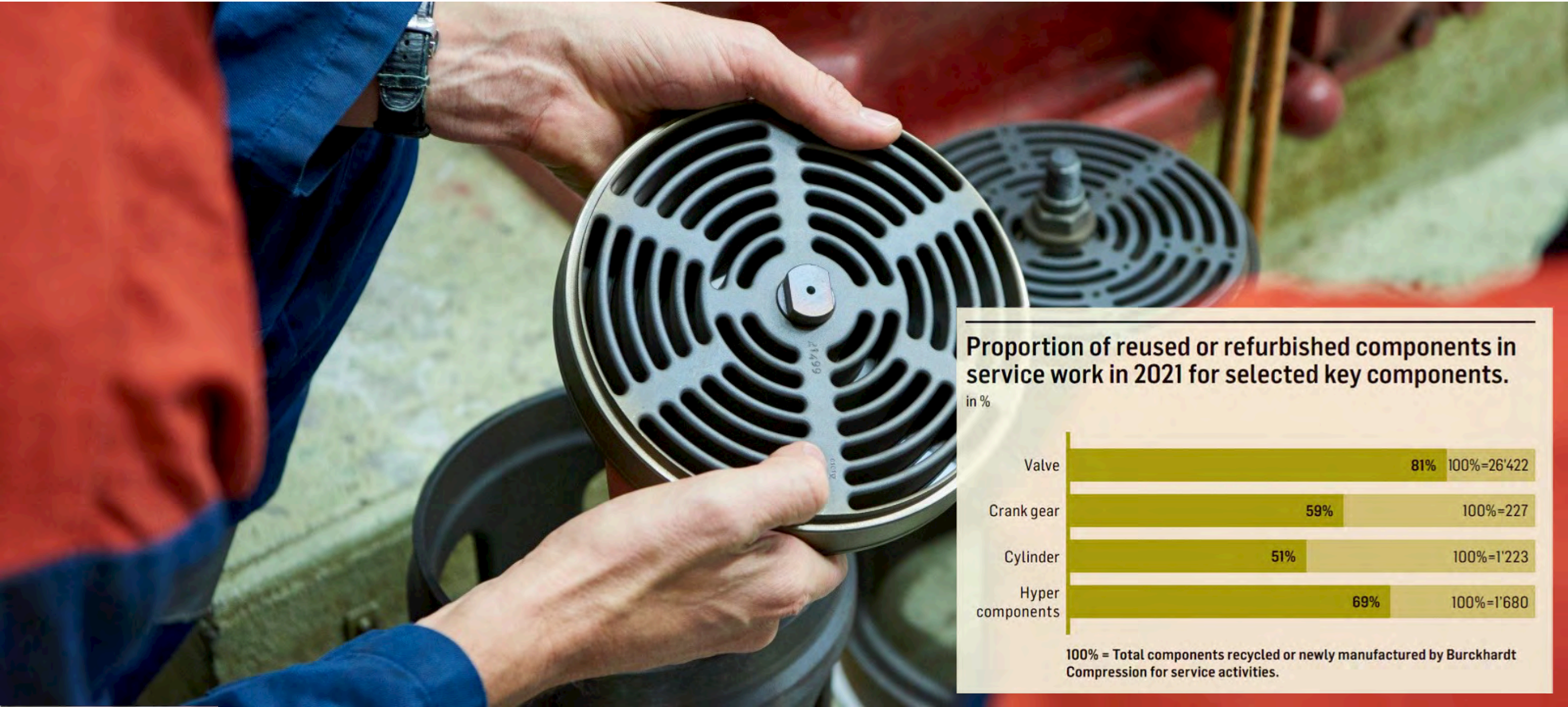
Annual electricity consumption of >500 average Swiss households.

Approximately a third of the annual electricity consumption in 2021 of our Winterthur site, including head office.





# Promote longevity and cyclability through first class refurbishment

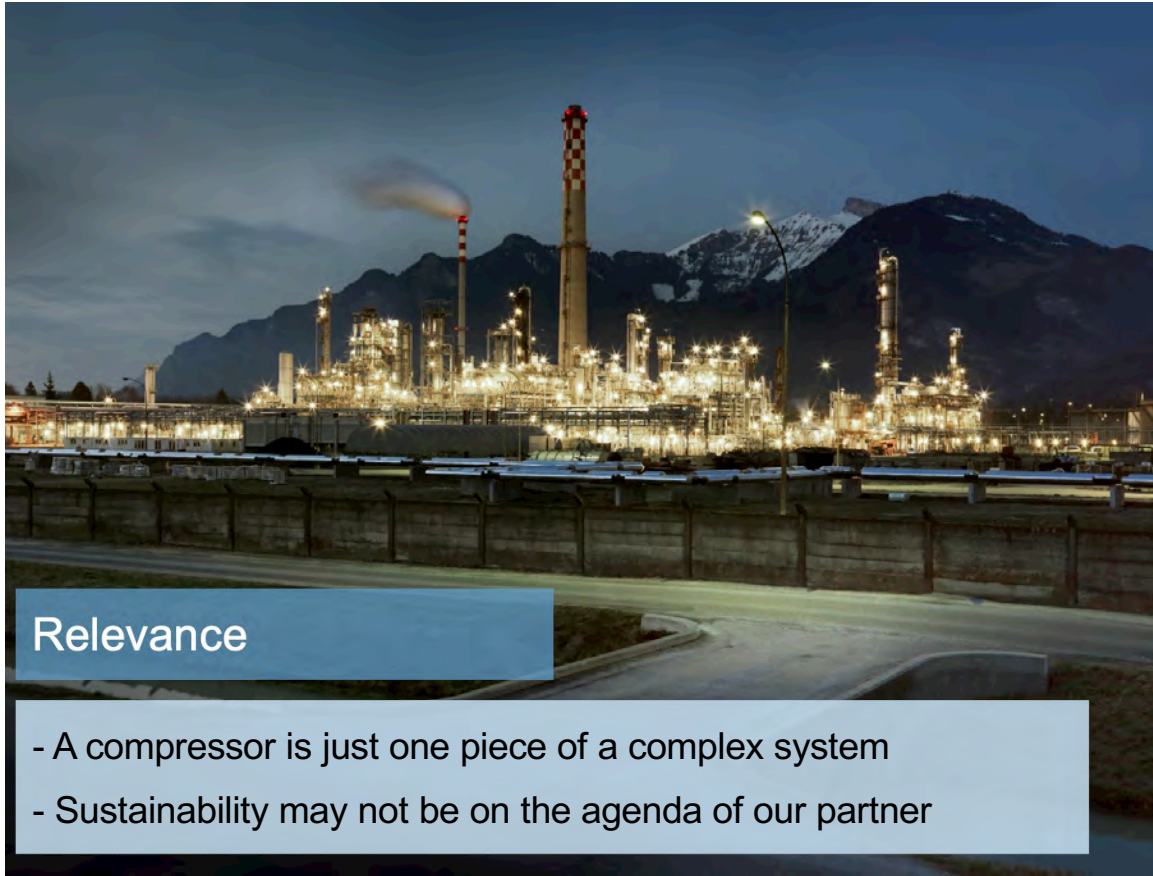




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# OUR APPROACH FOR THREE KEY CHALLENGES TO PUSH SUSTAINABILITY FORWARD

# Gain attention for sustainability impacts



## Our way forward

- Development of attractive service offerings for the energy transition
- Create multiple values for customers with smart service solutions
- Proof performance through data
- Deepen and widen customer engagement to access new channels

# Be ready when your customers are

## Our way forward

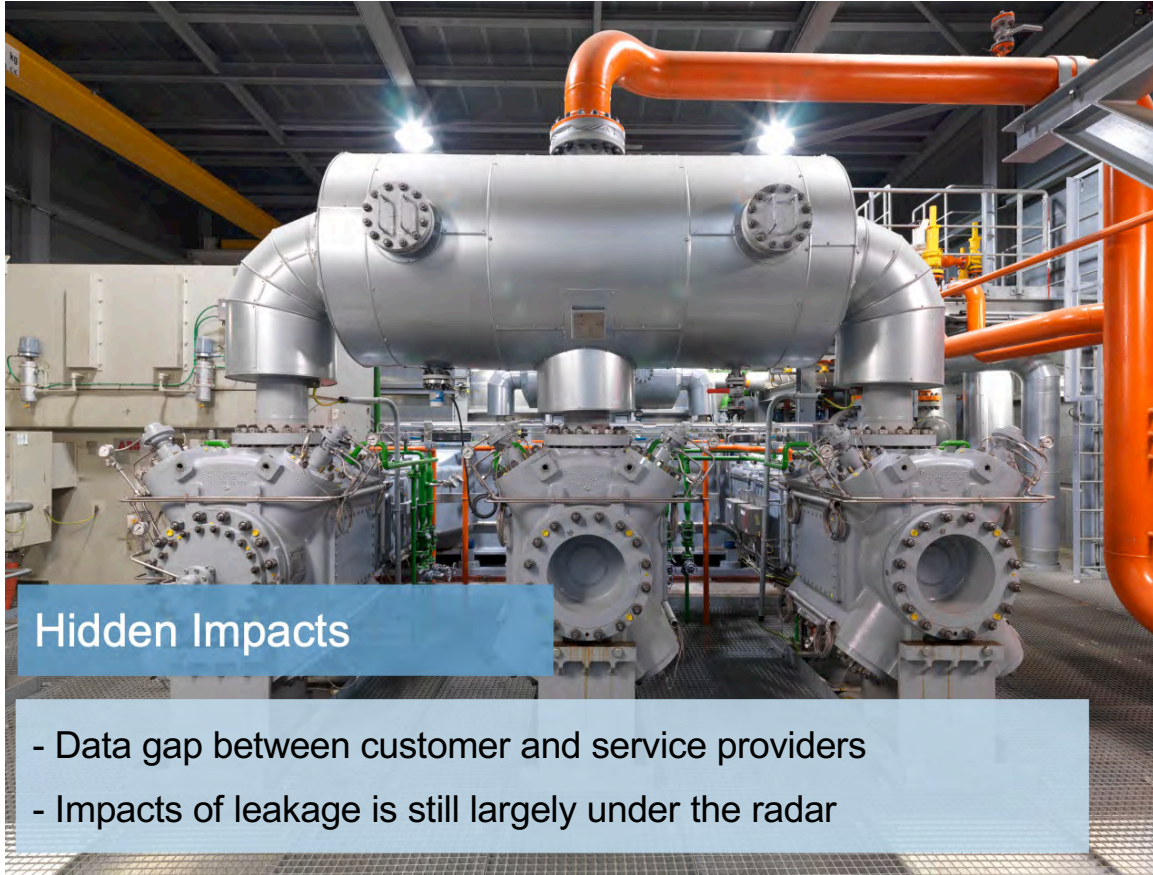
- Strengthen global presence and further develop local service skills
- Predictive maintenance through digitalization and data intelligence
- Have solutions at hand for upcoming challenges of customers
- No compromises on reliability and product safety



### Uptime

- Often very tight service timeframes
- Uptime will remain the key performance indicator

# Reveal untapped impact potential



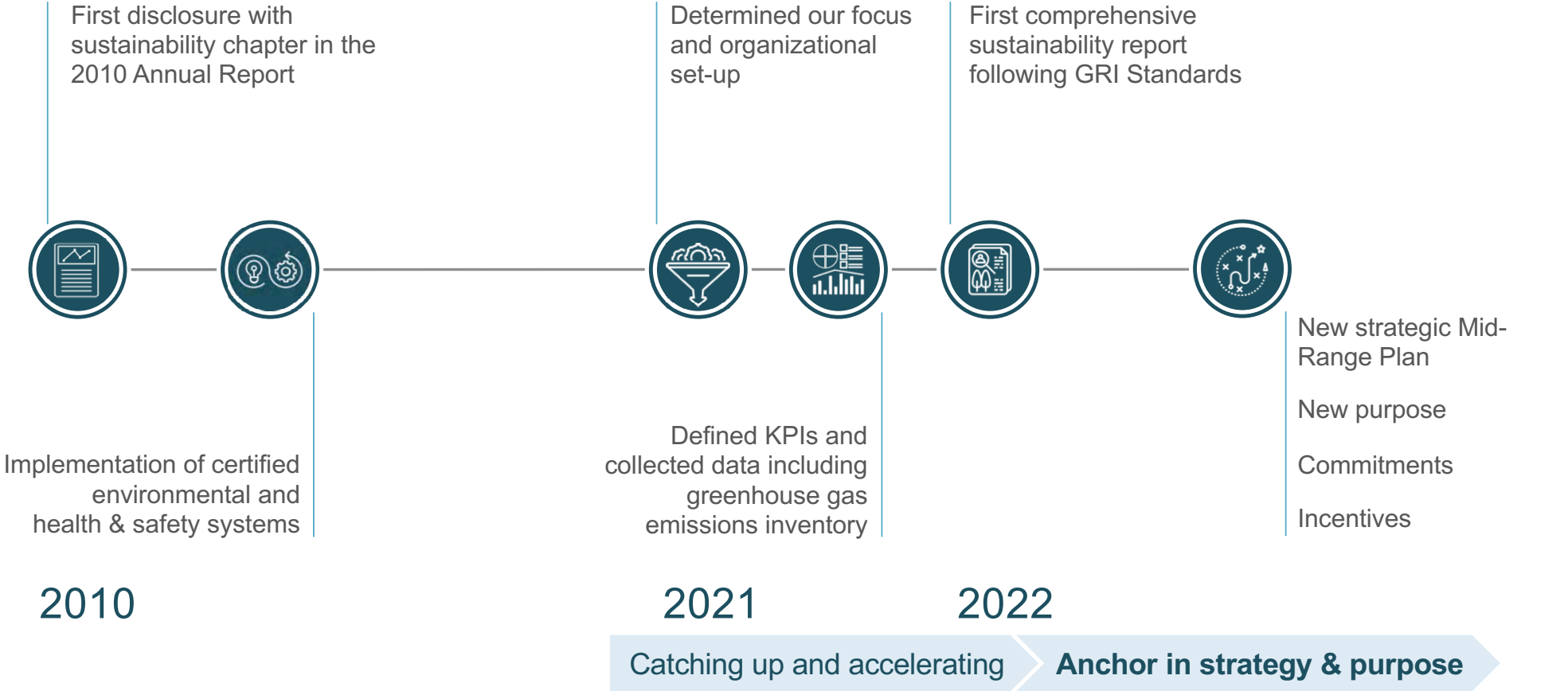
## Hidden Impacts

- Data gap between customer and service providers
- Impacts of leakage is still largely under the radar

## Our way forward

- UP! Connected Compressor
- Co-creation projects with customers under confidential conditions
- Standardized engineering analysis including environmental impacts
- Holistic emission management solutions instead of single upgrades

# Next step is to anchor sustainability in our strategy and purpose





# Thank you for your attention



Oxygen



Ethylene



Butane



Carbon dioxide



Methane



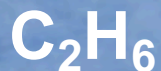
Nitrogen



Propane



Hydrogen



Ethane

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**«Wherever there is gas, there is  
Burckhardt Compression»**

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# **Burckhardt Compression**

Compressors for a Lifetime™