

WELCOME TO THE FIRST INVESTOR DAY AT BURCKHARDT COMPRESSION

Marcel Pawlicek, CEO

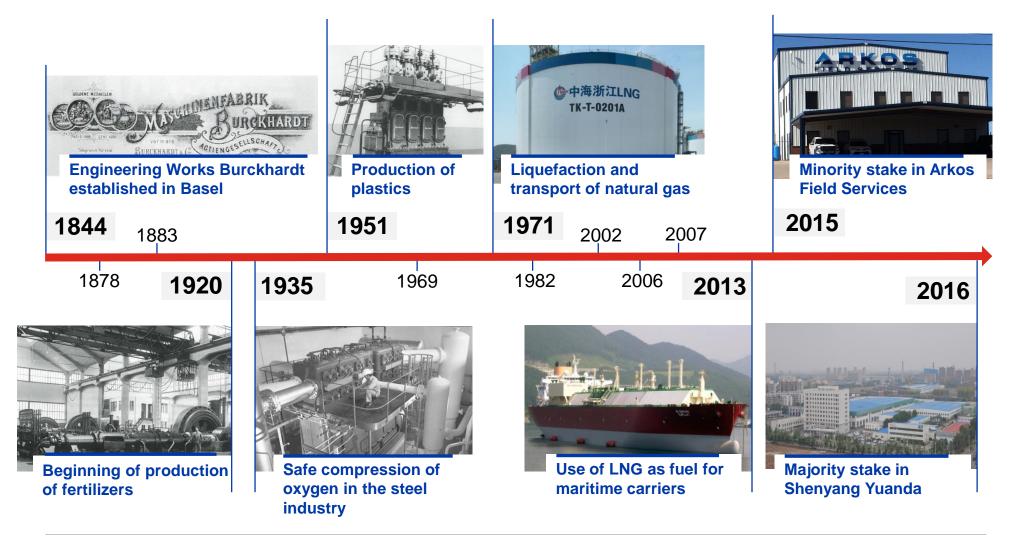
Compressors for a Lifetime™

CHAIRMAN'S NOTE

Valentin Vogt, Chairman



Burckhardt Compression and the History of Gas Compression





Recent History of Burckhardt Compression

	1996 - 1999	2000 - 2001	2002 - 2005	2006 - 2015
Ownership	Division of large of	corporation	Private equity owner	Stock listed
Market environment	Stable	Stable	Favorable	Very favorable
Growth	No growth	Shrinking	Strong growth	 SYST: cyclical SERV: continuous growth
Profitability	Cyclical on lower level	Loss making due to internal issues	Steadily increasing	Substantially above industry average
Success factors	Technology	 Chnology Zero base budgeti One location New organizationa Cost discipline 		 International Footprint New leadership tools



WAY FORWARD, BC STRATEGY

Marcel Pawlicek, CEO



Our Vision



We are committed to becoming the first choice manufacturer of reciprocating compressors. Throughout a worldwide network we provide all products and services required during a reciprocating compressor's life cycle.



Leader for Any Gas Compression Challenges in All Segments for Systems and Services



Raw

End products utilization

- Power generation
- Fuel (NGV / CNG)
- Heating / cooking
- • • •
- Gasoline
- Diesel
- Kerosene
- Fuel oils
- Heating oils
- Lubricating oils
- Asphalt and tar
-

- Food packaging
- Industrial foils
- Plastic bags
- Insulation material
- Automotive parts
- Eva foils for solar panels

- Cosmetics
- Pharmaceuticals
- Fertilizers
- Detergents
-

- Industrial gas distributers
- Food processing
- Steel production
- Glass production
- Microchip production
- Photovoltaic production

Surckhardt Compression

Air



- +40% Water
- +50% Energy

Megatrends

- Urbanization and increase of population
- Shift in economic power
 - Climate change and resource scarcity
- Digitalization

Source: National Intelligence Council and PWC megatrends



Megatrend Urbanization and Increase of Population



- Every week +1.5 mn people added to global urban population
- 90% of this growth will take place in emerging countries
- Huge demand on infrastructure, energy, services, job creation, climate and environment
- Today, IT uses 10% of our daily consumed electricity
- ⇒ more need on power, fuel, natural gas and petrol for heating and cooking, fuel for transportation, asphalt and tar, insulation material, steel production



Megatrend Shift in Economic Power



- China: Shift from import economy to domestic production and consumption and export economy
 - See «One belt, one road» movement
- India: Steady but slower growth
- BC with local production in China and India, as well as assembly sites in South Korea and the US
- Sales offices in about 40 countries,
 i.e. Brazil, Columbia, South Africa etc.



Megatrend Climate Change and Resource Scarcity

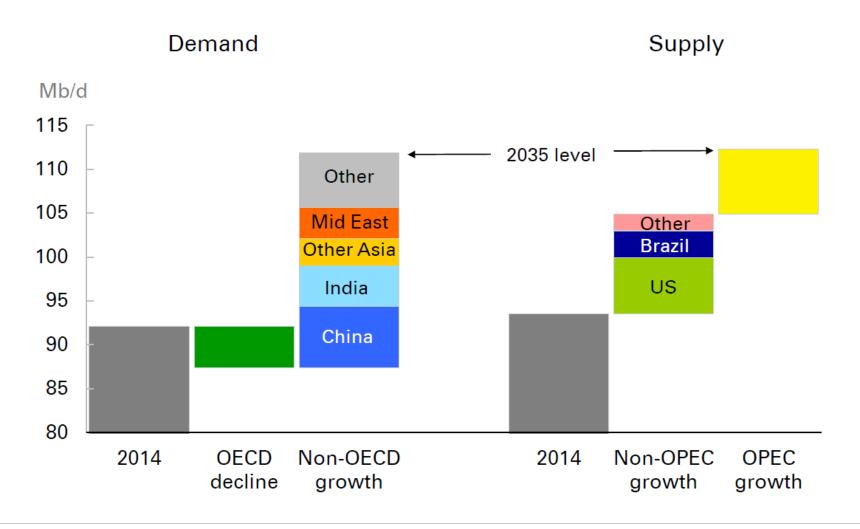


- Resource scarcities
- Current models of production processes and consumption will change
 - Energy demand for recycling
 - Waste water and sea water treatment
- Gas instead of oil where possible
 - 25% less CO₂ emission when burned
 - Less NO_x and SO_x
- Future importance of CO₂ capturing and storage (Paris agreement)
- More need on fertilizers, photovoltaic, food packaging, glass production



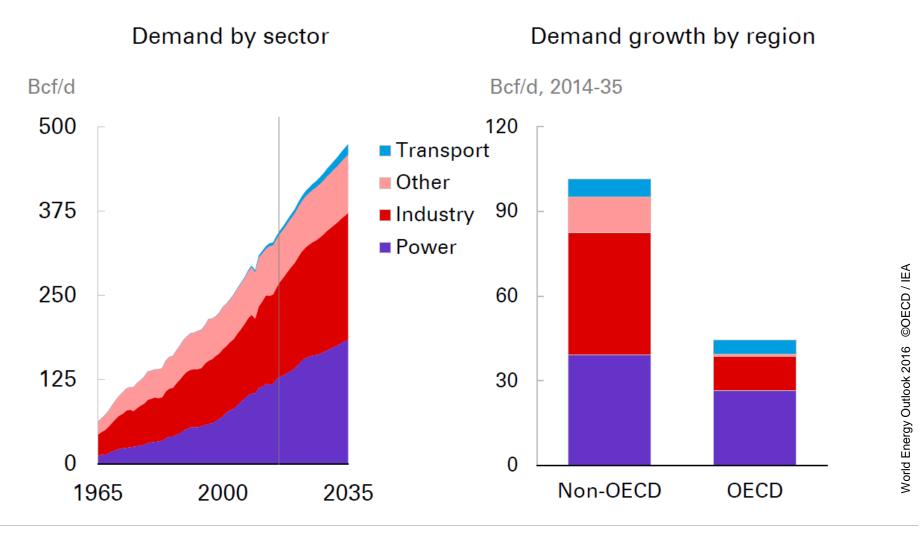


Strong Growth in Asia Drives Increases in Oil Demand





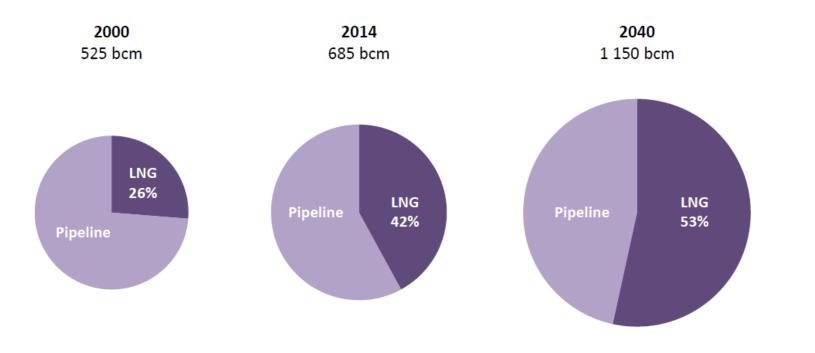
Demand for Natural Gas Grows Strongly



Surckhardt Compression

Share of LNG in Global Long-Distance Gas Trade

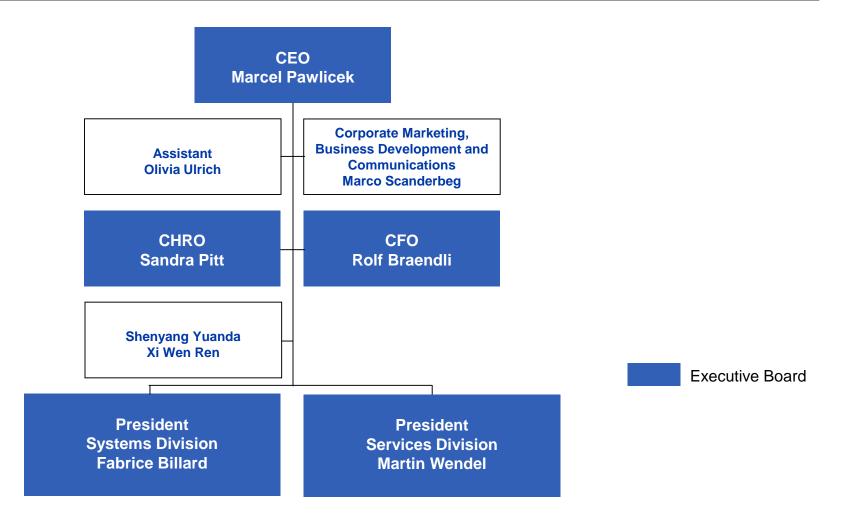
Share of LNG in global long-distance gas trade



Contractual terms and pricing arrangements are all being tested as new LNG from Australia, the US & others collides into an already well-supplied market



The Organization for the Future





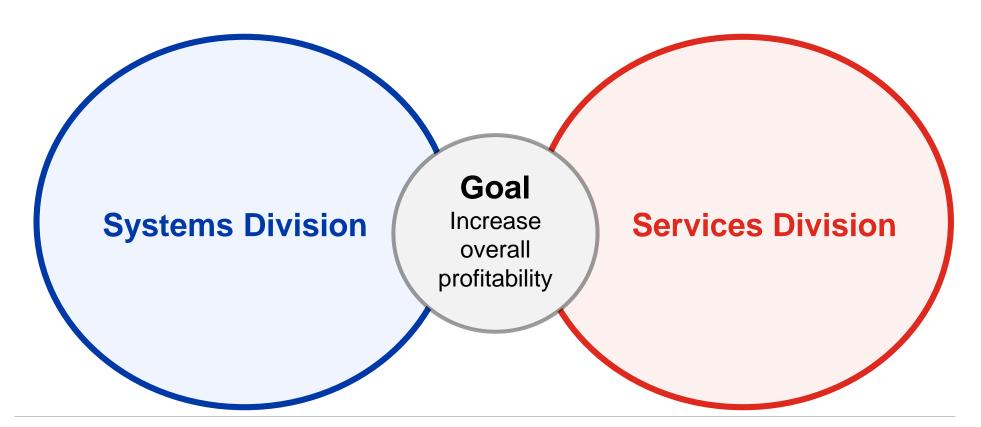
Customer Requirements

	Systems Division	Services Division	
Response times	Weeks up to months	Hours and days	
Delivery times	Months up to years	Days and weeks	
Order types	 Engineered projects with intense project management Average order size CHF 2-3 mn 40% compressor 60% accessories 	 Majority of business depends on smaller orders → CHF 5'000 to 10'000 Large engineering / revamp orders possible 	
Decision makers	 End users Engineering Procurement Contractors (EPCs) 	 Operators, Maintenance people Purchasing → depends on order volume Management for large service agreements 	
Crucial factors	 Sales and project activities are handled globally 	 Technical expertise Sales and project activities are very local 	



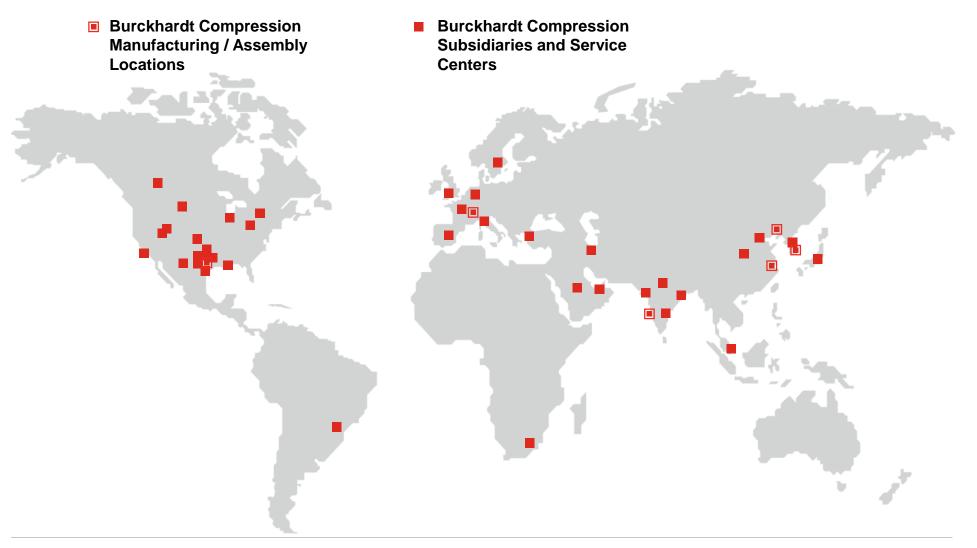
Way Forward







Global Well Positioned to Reach our Vision and Goals



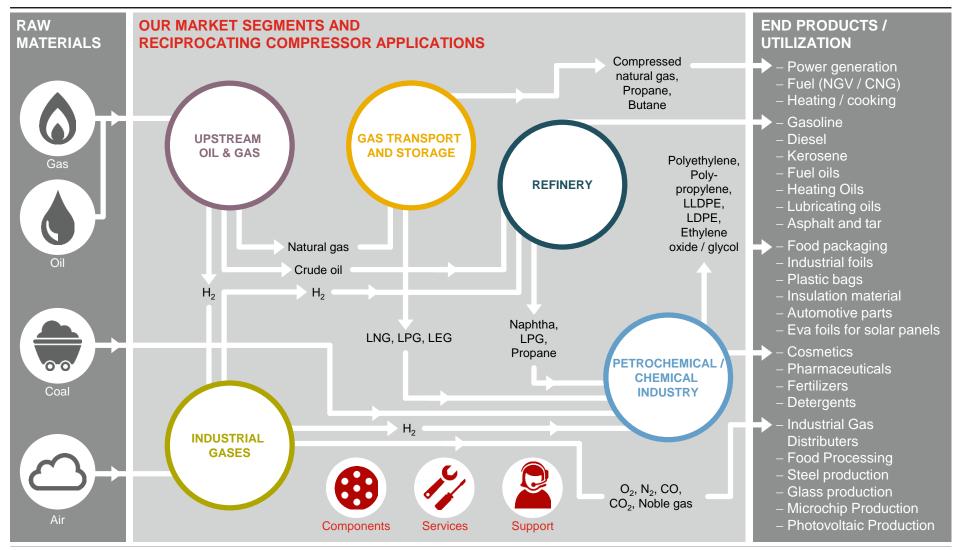


MARKETS

Marco Scanderbeg, Vice President Corporate Marketing, Communications & Business Development

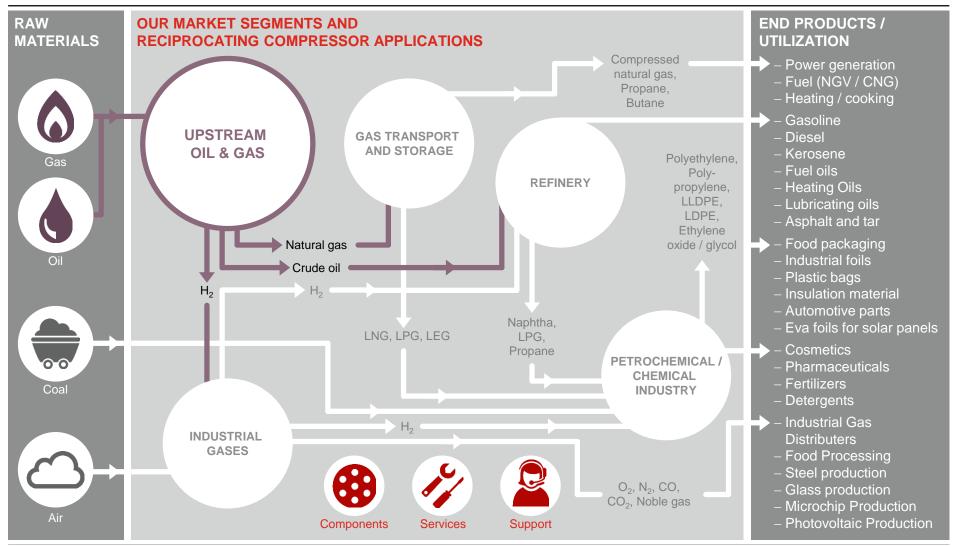


Markets – From Basic Materials to Various End Products





Markets – Upstream Oil & Gas





Upstream Oil & Gas – Main Applications

Onshore and offshore applications:

- Enhanced Oil Recovery (EOR)
 - Gas re-injection
 - Gas & oil lift
 - Acid gas injection (H₂S, CO₂)
- Gas gathering
- Gas processing / treatment
- LNG FPSO





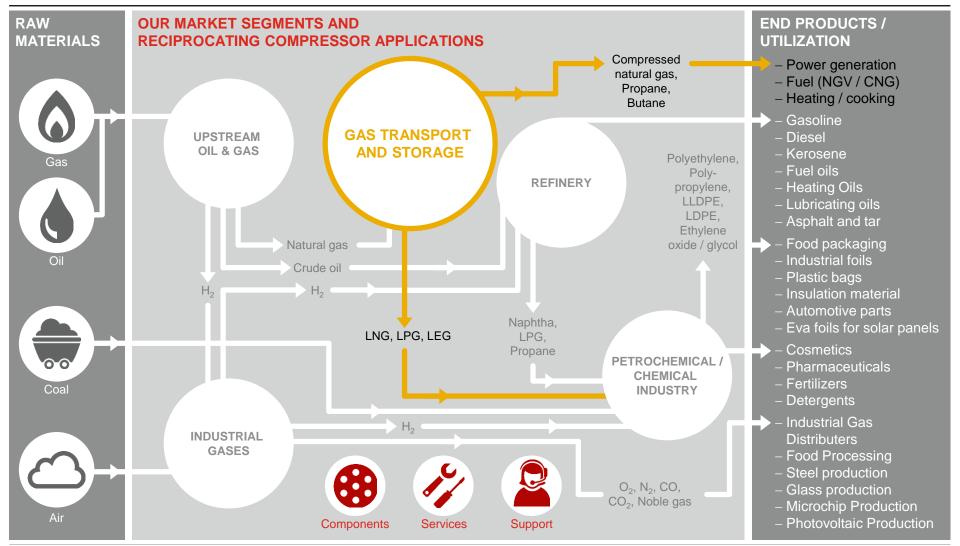
Upstream Oil & Gas

Market drivers	•	Future crude oil and natural gas price development
	٠	Keep flexibility with offshore applications
	٠	Shale gas activities
	٠	Aging oil fields with declining production
	•	Drilling of oil and gas is getting more demanding
Expected market	•	Once the oil price picks up significantly
development		 Further development of the onshore as well as offshore business
		 Development of not easy reachable oil and gas fields

• Growing enhanced oil recovery



Markets – Gas Transport & Storage





Gas Transport and Storage – Main Applications

Onshore and offshore applications:

- Boil-off gas handling (BOG)
- Liquefied Natural Gas (LNG)
- Liquefied Petroleum Gas (LPG)
- Pipeline feed applications
- Underground gas storage
- Fuel gas injection for ME-GI dual fuel propulsion system (DFDM)
- Floating storage and regasification unit (FSRU)
- Floating production, storage and offloading (LNG FPSO)





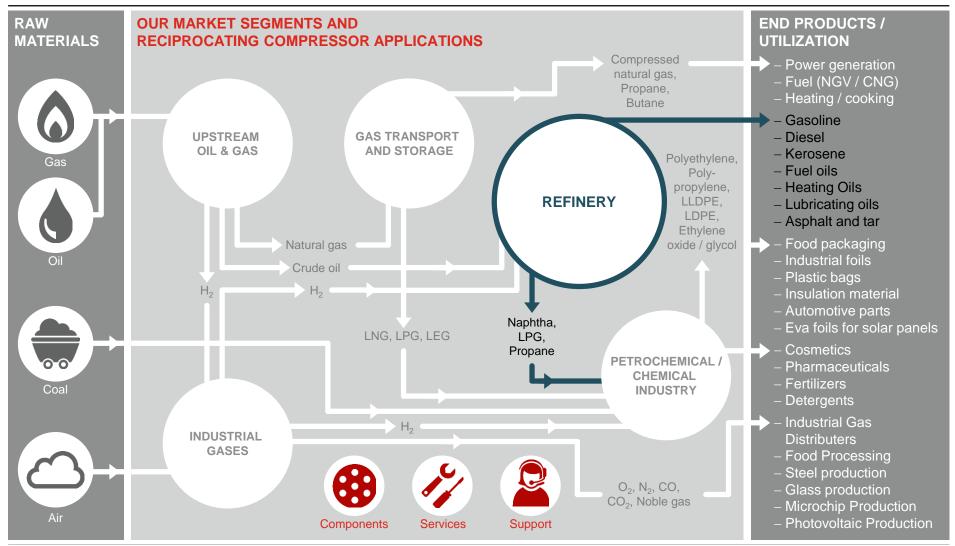
Gas Transport and Storage

Market drivers		Long-term increasing demand for gas as a substitute for oil and coal
	•	Importance of natural gas as a clean and inexpensive source of energy
	•	Gas is found in areas where it is not used
	•	Move from onshore to offshore activities (FSRU)
Expected market development	•	Market consolidation in LNGM and reduced order potential in 2016 / 2017
	•	Positive development for LNG receiving terminals

• LPG marine business on a low level (down cycle)



Markets – Refinery





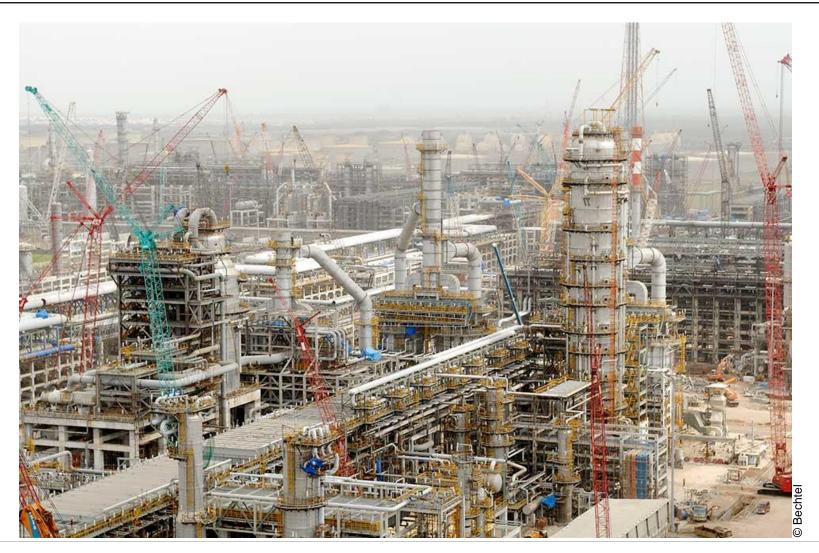
Refinery – Main Applications

- Hydrogen and hydrogen mix gases for various process steps
 - Hydrotreating
 - Hydrocracking
 - Reforming
 - Isomerisation
 - Desulphurisation
 - Dearomatisation
 - Hydroalkylation





Impression of a Modern Refinery Under Construction – Jamnagar Complex, India (1.2 mn barrels / day)





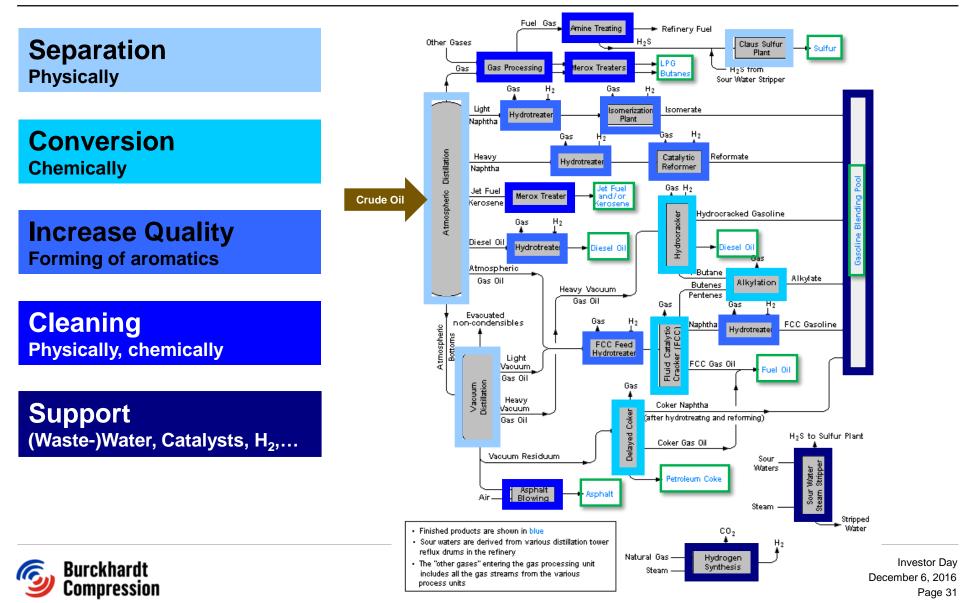
Refinery in Collombey, Switzerland – Small Capacity & Not Cost Effective → Decomissioned



How does such a complex process plant work? Where are reciprocating compressor solutions needed?



How Does a Typical Refinery Work? Processes in a Refinery

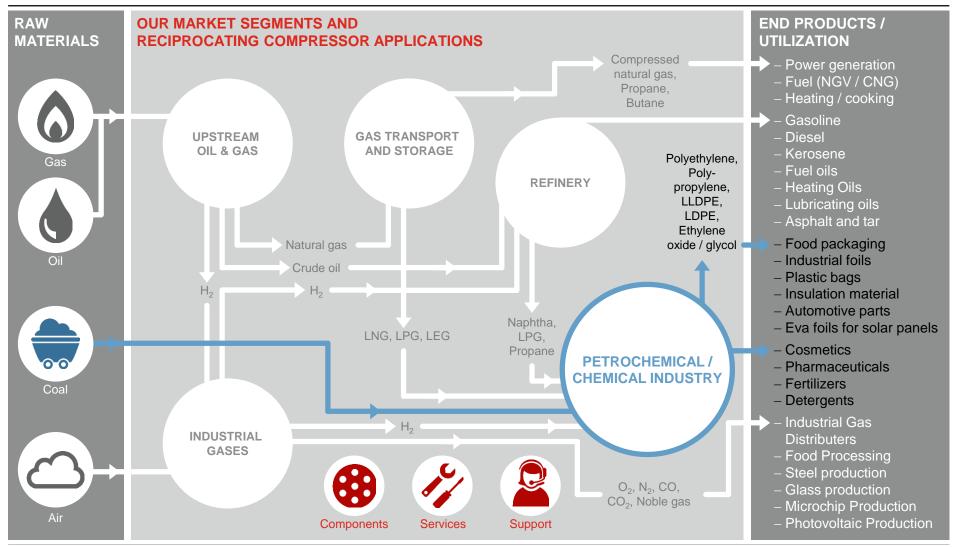


Refinery

Market drivers	 Growing demand for clean fuels due to environmental regulations
	 Flexibility to process different crude oil qualities
	 Modernization of old infrastructure
	 Strategic importance of refining capacity for independent supply
	 Oil producing countries capturing a greater share of value creation across the process chain
Expected market development	 Continuation of current high market level worldwide
	 Growing demand for refined products in Emerging Countries
	 Investments to process different crude oil qualities



Markets – Petrochemical / Chemical Industry





Petrochemical / Chemical Industry – Main Applications

- Polyethylene / Polypropylene
- Low density polyethylene (LDPE)
- Linear low density polyethylene (LLDPE)
- High density polyethylene (HDPE)
- Ethylene oxide (EO)
- Ethylene glycol (EG)
- Rubber
- Aromatics / BTX, Alcohols, Ammonia, Urea
- Wet oxidation





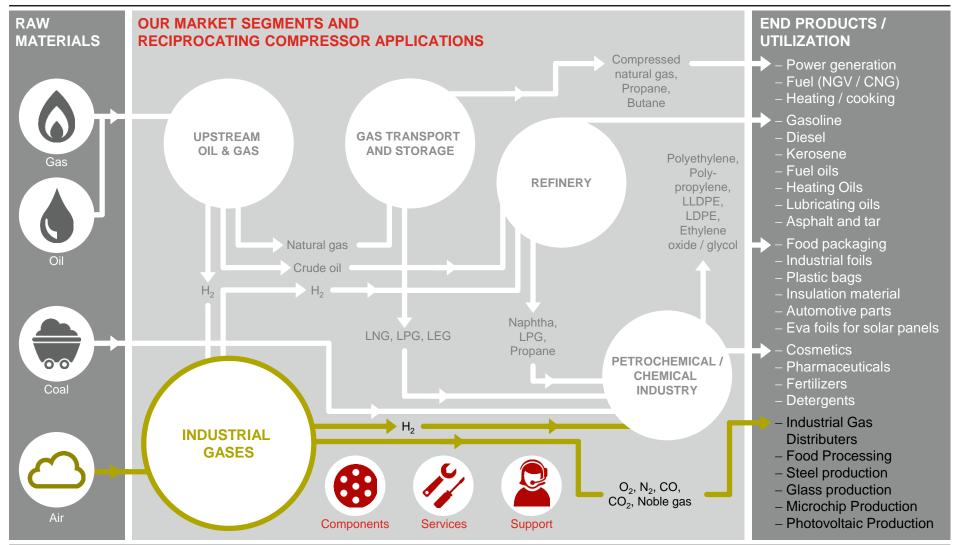
Petrochemical / Chemical Industry

Market drivers	•	GDP growth for polyolefin products in emerging countries
	•	Shift of production to countries with low feed stock price
	•	Shift from commodity to specialty products
Expected market		New LDPE projects (high pressure) under discussion
development	•	Continuous growing polyolefin demand in Emerging Countries

• Stable opportunity pipeline



Markets – Industrial Gases





Industrial Gases – Main Applications / Gases Handeled

- Hydrogen generation
- Air separation
- Gas bottle filling
- Oxygen
- Nitrogen
- Carbon monoxide
- Carbon dioxide
- High pressure CO₂
- Chlorine
- Gases for polysilicon production
- Bone-dry gases





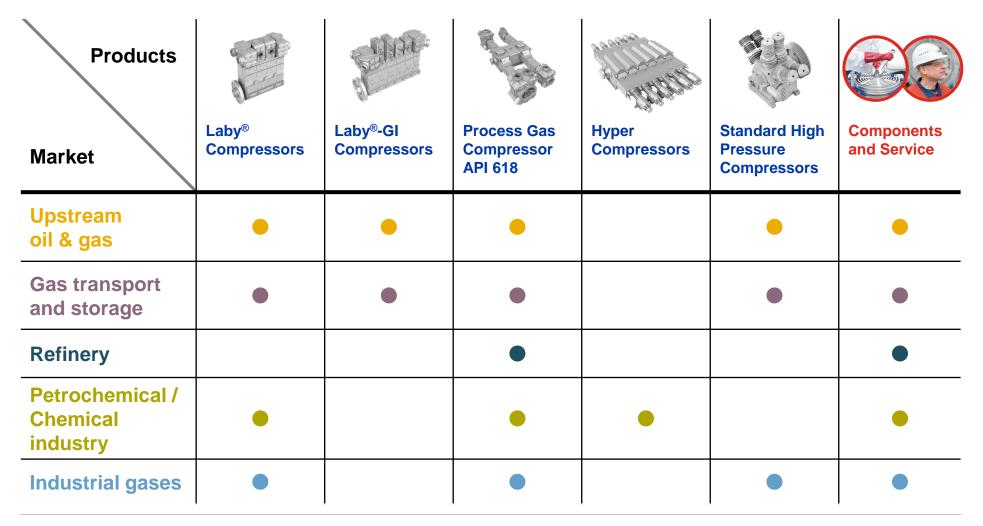
Industrial Gases

Market drivers	 Growing population and industrialization in emerging countries
	 Sustainable demand for industrial gases in food, tobacco, paper, chemical, agriculture, mining, construction and health care industry
	 De-carbonization initiatives replacing hydrocarbons by hydrogen
Expected market	Increasing market activities in all areas
development	Further potential for O ₂ , H ₂ , CO, CO ₂ and high pressure

- Further potential for O₂, H₂, CO, CO₂ and high pressure O₂ and Air
- Further potential for hydrogen in mobility applications



Product and Market Strategy – Creating Value in the Various Applications of Each Market Segment





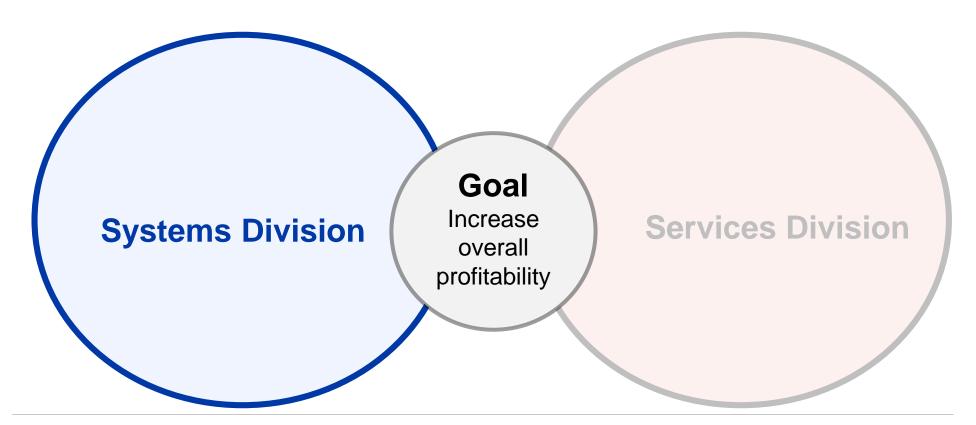
SYSTEMS DIVISION (SYST)

Fabrice Billard, President SYST



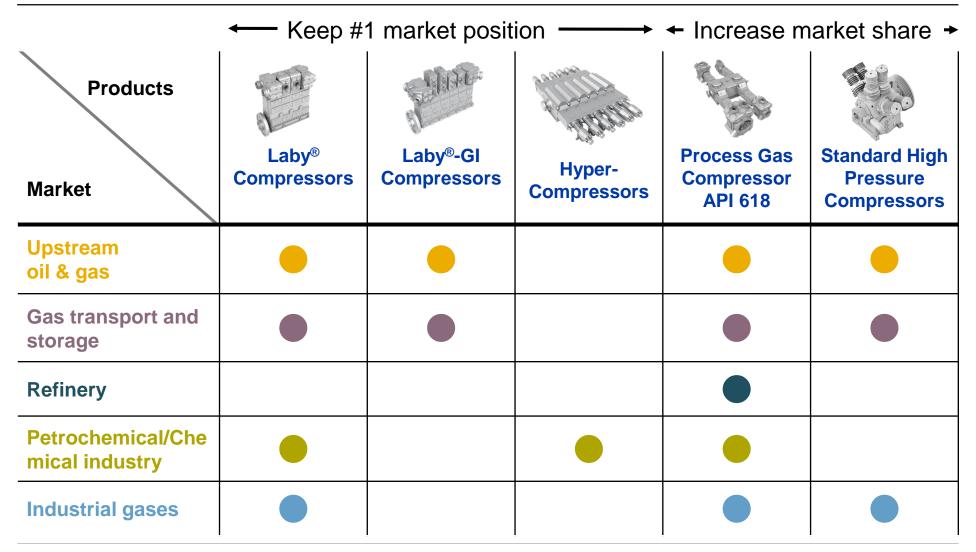
Way Forward







Keep Leading Market Position in All Segments





Qualified Employees Around the World Manufacturing and Assembly in Key Markets





Use our Strong Global Presence BC Manufacturing Locations

Winterthur, Switzerland



Busan, Korea



Houston, TX, USA









Shenyang Yuanda Compressor Co., Ltd. New Markets, Products and Supply Chain Access

- Number 1 in China
- Compressors for
 - Petrochemical
 - Chemical
 - Oil& Gas industry
- R&D center
- Foundry
- Local supply chain





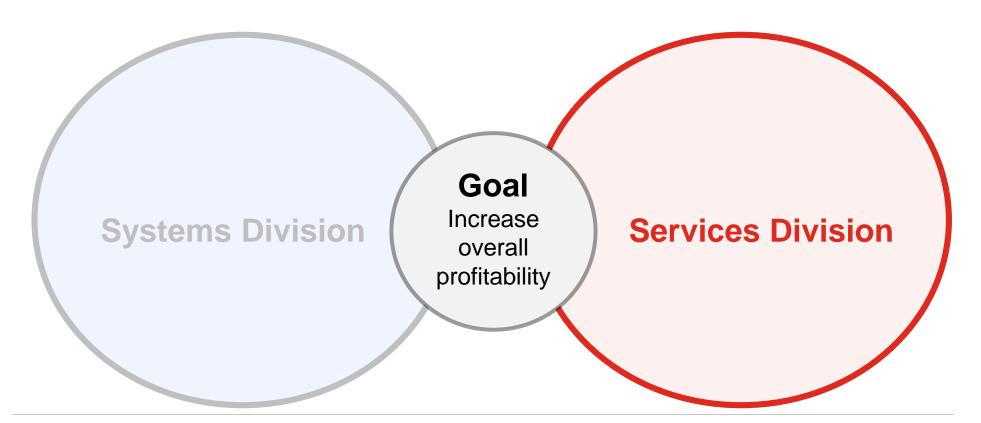
SERVICES DIVISION (SERV)

Martin Wendel, President SERV



Way Forward







Our Portfolio – To Date Spare Parts are Responsible for More than 50% of the Business

Monitoring	Condition monitoring with emphasis on safety protection and early failure detection.	
Engineering Revamps / Repair	Customized revamp, upgrade and repair services based on in-house design & engineering competence.	
Field Service	More than 100 Field Service Engineers assist customers with on-site activities worldwide.	
Spare parts	 In-house produced components, application-specific and designed for optimal performance. wear parts (e.g. rings, packings and valves) to capital parts (e.g. pistons, cylinders, and crankgears) 	<image/>



Our Regional Set-Up – Strengthened Local Presence through Acquisitions and new Service Centers

- Acquisition of Shenyang Yuanda and cooperation with Arkos substantially improved local presence in the two largest markets
- Seven service centers have been opened over the past five years and the first small acquisition (Germany) has been completed to increase local business in selected markets



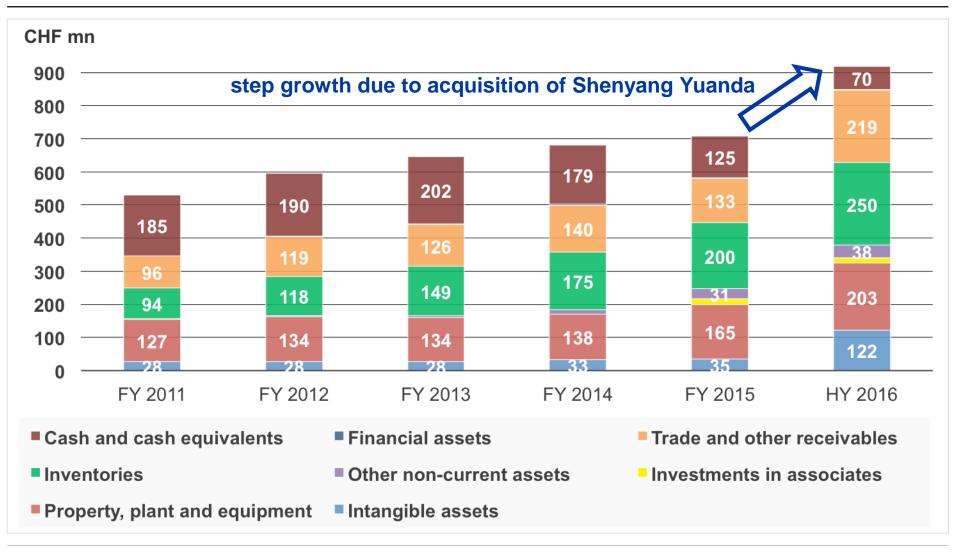


FINANCIAL TOPICS

Rolf Braendli, CFO

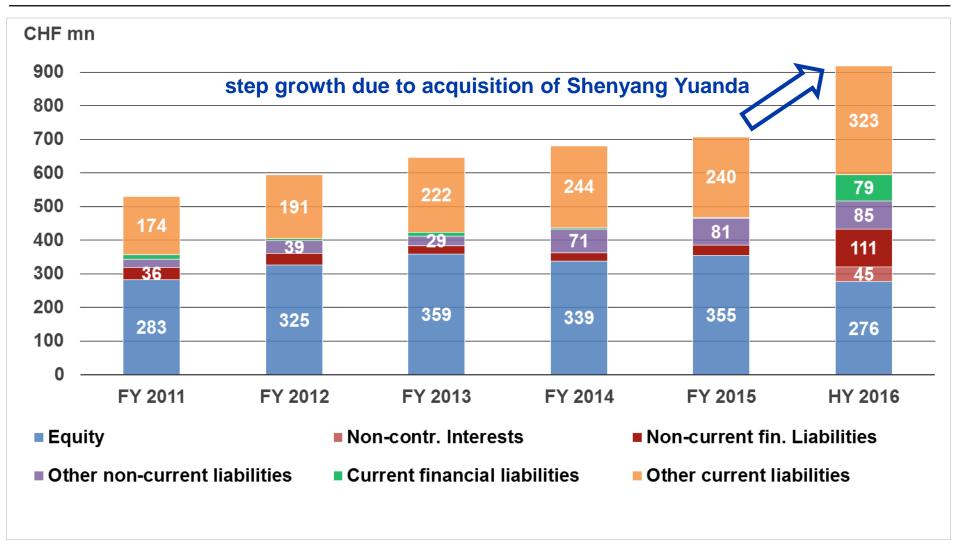


Balance Sheet – Assets



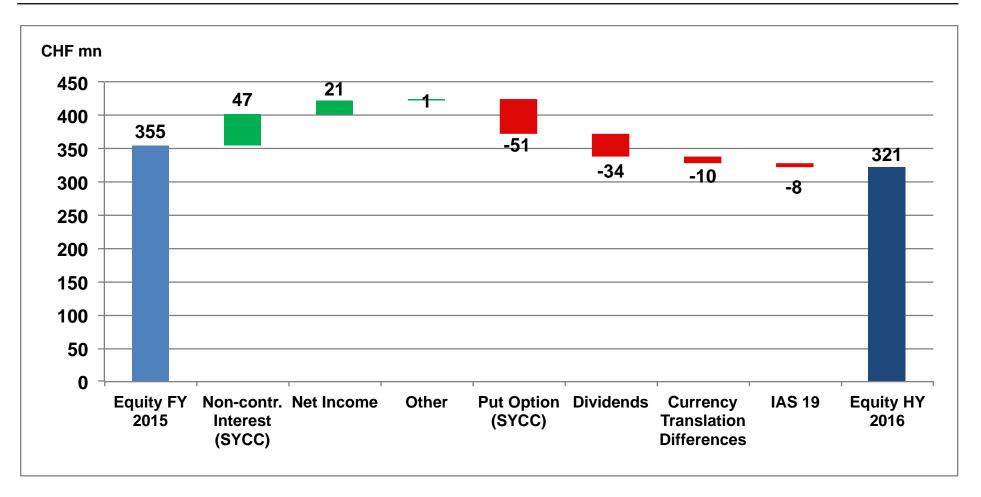


Balance Sheet – Liabilities and Equity





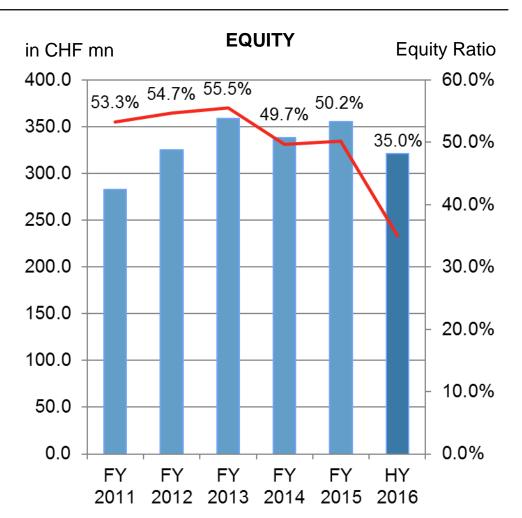
Changes in Equity FY 2015 → 1HY 2016





Equity Ratio

- Equity ratio reduced to 35% due to SYCC acquisition
- Temporary leverage due to partial financing of acquisition with mortgages and loans
- Equity is reduced by CHF 50.7 mn due to recognition of SYCC put option in line with IFRS (NPV of assumed remaining purchase price, based on a pre-agreed EBITDA multiple)
- Equity ratio excl. put option: 40.5%





Shenyang Yuanda (SYCC) Results 1HY 2016

- SYCC "Operation":
 - Solid performance
 - Development of sales within expectations despite challenging market environment in China
 - YTD EBIT above expected level
- SYCC "Depreciation":
 - Significant impact from depreciation of intangible assets and fair value adjustments (in line with IFRS)
 - Inventory step-up (WIP); significant part of future gross profit included on the initial balance sheet (purchase price allocation)
 - Moderate (positive) fair value adjustment on real estate

1	in mn CHF	1HY 2016*) sycc "operation"	1HY 2016*) SYCC "DEPRECIATION"	1HY 2016*) sycc total
)	Sales	41.0		41.0
	Gross Profit	11.1	-2.3	8.8
	in % of Sales	27.1%		21.9%
	EBIT	5.7	-3.7	2.0
	in % of Sales	14.0%		4.8%
f	Net Income	4.6	-3.1	1.5
	in % of Sales	11.3%		3.7%

*) Period of May 1 – September 30, 2016



Financial Targets

	Guidance FY 2016 (incl. SYCC)	Guidance FY 2017 (incl. SYCC)
Order Intake	CHF 450 – 500 mn	Continued growth in the Services Division; no upturn in the Systems Division order intake expected until FY 2018
Sales	CHF > 600 mn	About CHF 100 mn lower than FY 2016
Gross Margin	Systems Division10 – 15%Services Division45 – 50%	Systems Division 15 – 17% Services Division 45 – 50%
EBIT	EBIT FY 2016 < FY 2015 EBIT margin 10 – 12%	EBIT margin 10 – 12%
Dividend Policy	Payout ratio between 50 – 70% of net profits	Payout ratio between 50 – 70% of net profits



BC CULTURE / HR DEVELOPMENT

Sandra Pitt, CHRO



Rapid Globalization





2002 (MBO) 400 employees 3/4 in Switzerland

2016

approx. 2'300 employees 1/3 in Switzerland



Global Well Positioned to Reach our Vision and Goals



- Built up of new assembly sites in South Korea and USA
- Acquisitions in China and Germany
- Cooperation in USA
- Subsidiaries in over 20 countries around the globe



Development of Corporate Culture

- Development of our Corporate Culture from a Swiss-centric company to a truly global company
- Burckhardt Compression Values evolved to reflect our global partnerships and our culturally diverse workforce





Behavior

Success Factors As BC employees, we ...



Think Customer

Take Ownership

Act Decisively



Build Engagement



Break Barriers

Champion Change

Description As BC employees, we ...

... keep internal and external customers at the core of all thought and action

... actively seek and own responsibility for success

... demonstrate courage and act with agility

... inspire people to perform and grow

... break silos and boundaries to be One Burckhardt

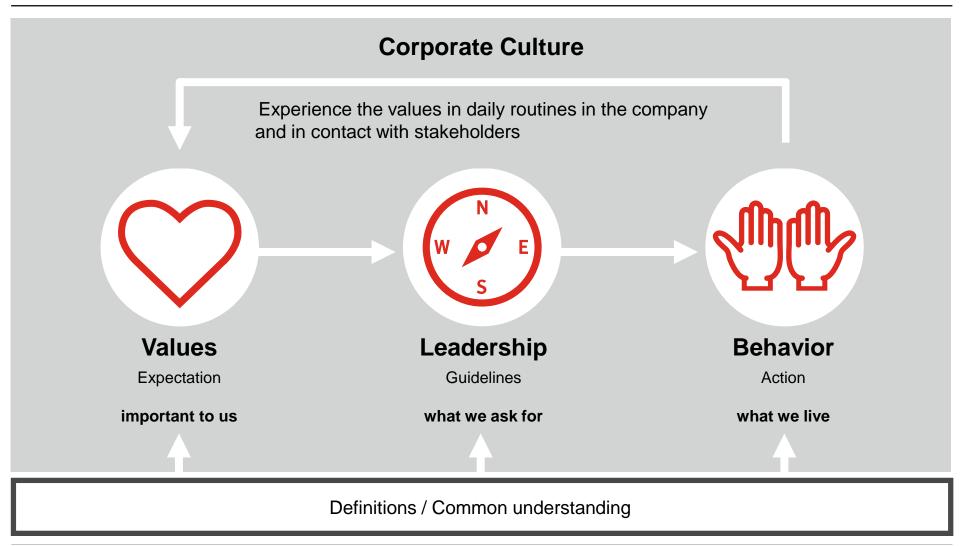
... embrace opportunities for growth and improvement

Behavior

- Build relationships
- Demonstrate quality focus
- · Live service orientation
- Show initiative
- Focus on results
- Create lasting solutions
- Take considered risks
- Demonstrate agility
- Persist without fear of failure
- Align goals
- Develop self and others
- Inspire people
- Promote collaboration
- Embrace diversity
- Transfer knowledge
- Remain adaptable
- Support people
- Adopt new practices

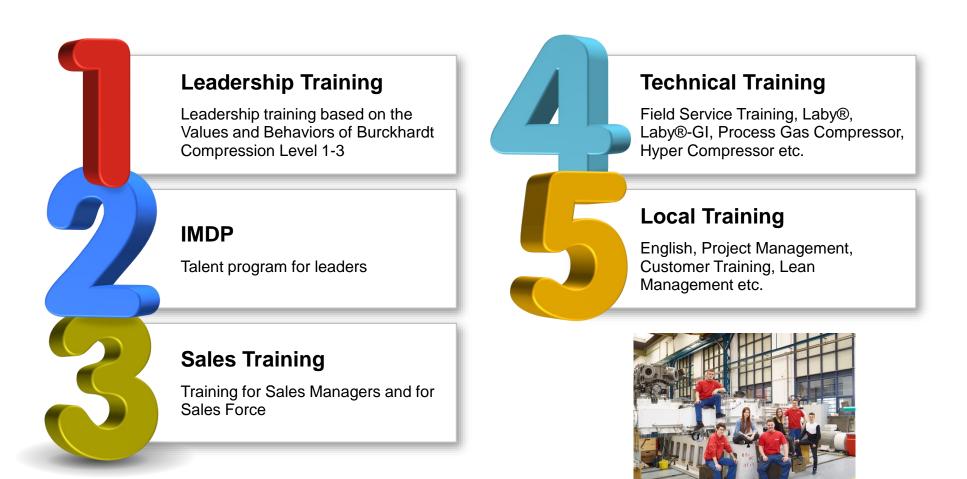
Surckhardt Compression

Our Framework





Elements of the Training & Development Portfolio





Corporate Training

Leadership, Development, Capability, Onboarding

Technical Training

Field Service Training, Laby®, Laby®-GI, Process Gas Compressor, Hyper Compressor Quality, Marketing & Communications, Sales, Contracting, SERV, F&A

Customer Training

Compressor Technology Trainings



MARKET OPPORTUNITY ISO 13631 "HIGH-SPEED APPLICATIONS"

Mauro Callioni, Head Applications



Market Segments and Applications

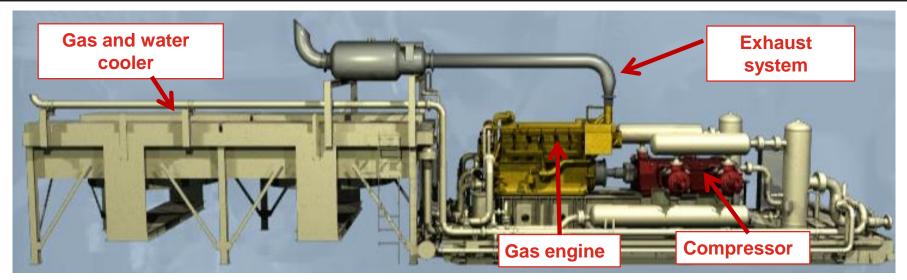
- Upstream Oil & Gas
 - Injection / withdrawal (Storage)
 - LNG FPSO
 - Gas gathering (Well Head)
 - Gas processing (H₂, CO, Ethane)
 - Gas lift (oil production increasing)
 - Unconventional gas (i.e. coal bed methane)

- Gas Transport & Storage
 - Gas transmission (LNG terminal, pipelines)
 - Fuel gas boosting (Turbine Feed)
 - Gas boosting station





High Speed Packages









Definitions and Differentiations

	API 618	ISO 13631 (previous API 11P)
Manufacturer	Burckhardt Compression	Shenyang Yuanda
Design	Moderate speed (< 1000 rpm)	High speed (> 1000 rpm)
Driver	Electric motor	Gas engine
Cylinder cooling	Water cooled	Air cooled
Service intervals	2-3 years	4-6 months because gas engine
Life time	40-50 years fix installed	20 years mostly movable Large secondhand market Large rental market
Customer requirements	Highly specified due to API 618	Cost optimized standard packages
Engineering	Highly customized product	Highly standardized product



LNG DUAL-FUEL

Rainer Duebi, VP Design & Manufacturing



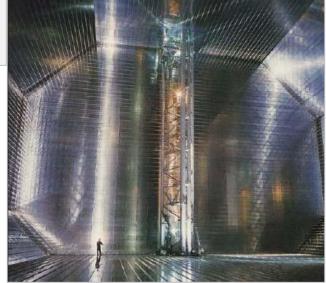
LNG (Liquid Natural Gas) Carriers

 First ship in operation since 1980

Membrantank; typically used by 70% of all operating LNG carriers

- Transport of liquefied methane gas at cryogenic temperature (-164 °C) in state of the art insulated cargo handling system
- Up to 250'000 m³ liquid volume per carrier transported from producer to consumer





- Even insulated BOG (boil of gas) of the cargo can not be prevented in the range of 0.1% per day
- Use of the BOG as fuel to drive the ship or liquefied on board



Innovative and Technical Advantage

- Advantage of the new propulsion systems
 - Simplified system compared to old complex steam turbine propulsion System (In Use up to 2002)
 - High efficiency (50%)
 - Reduced fuel consumption
 - Less emission (-25% CO₂)
 - In combination with reliquefaction: Increased delivery volume of cargo



«Creole Spirit» at DSME Yard, S. Korea delivered in Feb. 2016



Laby[®]-GI Compressor

- Developed for the use on LNG carrier with state of the art membrane tank system
 - Weight balanced of the moving parts – Less vibration induced to ship
 - Use of cryogenic material to take the BOG at -165 °C
 - Highly reliable Laby® technology (in use since 1960 on LPG carrier)
 - High pressure Redura[®] technology for save and efficient compression up to 300 bar







Compressors for a Lifetime $\ensuremath{^{\rm M}}$