

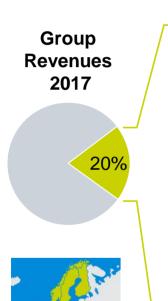
Bilfinger SE | Capital Markets Day 2018

E&T Continental Europe

Dr. Michael Löffelmann, Executive President Frankfurt, June 13, 2018

E&T Continental Europe – Profile

Technology focused Division with specialized engineers and process know how



Segment split		
	100%	
	E&T	

ndustry split Othe						
26%	24%	27%	20%	3%		
Chem. & Petrochem	Energy & Utilities	Oil & Gas	Pharma & Biopharma			

Contract type Reimbursable					
70%	20%	10%			
Lump-sum	Unit rates				

Share of engineers in workforce 50%





EP Michael Löffelmann

5,181



FD
Jens
Borgschulte

Headquarters:

Oberhausen

Previous Bilfinger Power Business fully integrated

Market

Strategic focus offers opportunities in a changing Power market

Relevant trends in Power Industries¹⁾

Overall

- Energy mix is shifting, driven by technological improvements and environmental concerns
- Nuclear, together with hydro and renewables expected to provide half of the increase in the global energy until 2035

Overall

- Nuclear providing business opportunities through decommissioning, modernization or new built – depending on countries
- UK and France considered as countries with high nuclear activities

Business opportunities for Bilfinger

Nuclear

 Bilfinger has a well established portfolio throughout E&T for design, upgrade and installation in brownfield and greenfield nuclear

Emission Control (e.g. SOx-Reduction)

 Bilfinger has developed innovative solutions for the power industry that are successfully adapted to other industries (e.g. Scrubbers for ships)

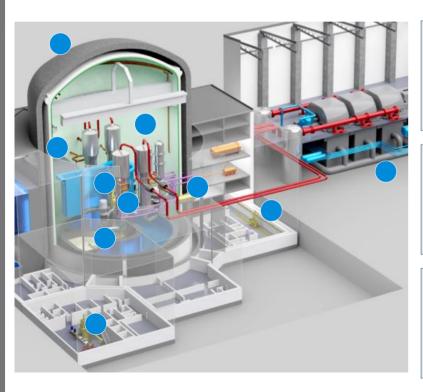
R&D capabilities

 R&D capabilities are applied on innovative technologies (e.g. into new applications

1) International Energy Association, BP Energy Outlook, World Nuclear Association

E&T Nuclear

Strong technological know how for all areas of a nuclear reactor



Bilfinger's capabilities across the lifecycle

Project Consultancy

- Feasibility studies and concept design for containment and fuel handling
- Project engineering, management

Design Engineering

 Containment with design of liners, windows, feedthroughs, waste handling systems and piping systems

Plant construction

- Installation work including project management and supervision
- Start up and commissioning

Equipment Manufacturing

- Pressure vessels, piping assembly works
- Air lock manufacturing, handling systems

Modification/Optimization

 Management of complete projects for expansion, modification and optimization

Decommissioning

 Decommissioning, dismantling and handling of primary circuit equipment

E&T Nuclear

Capabilities and opportunities in greenfield and brownfield

Greenfield (Example UK)



- 11 new nuclear reactors in planning on 5 locations
 - Broad Bilfinger references from similar projects (e.g. Olkiluoto, Eemshaven, Neurath)

Brownfield (Example France)

- Modernization of 58 nuclear reactor blocks for EDF in France
 - Engineering, construction and installation of pipelines, valves and support structures
 - Consortium of three Bilfinger entities

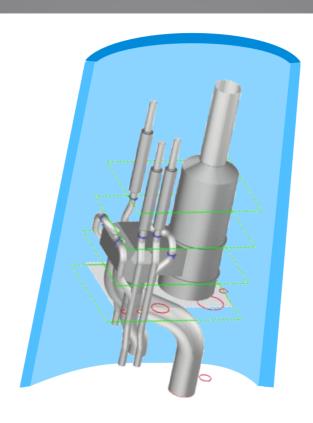


SOx-Reduction

Scrubber technology for vessels offers great potential for profitable growth

Market¹⁾

- 2020 regulatory change for sulfur in fuel oil from 3.5% to 0.5%
- Two options:
 - (1) Pay \$200-300/t more
 - (2) Scrubber technology
- Scrubbers at \$1-2 m each
 → ROI 175%
- Market demand: "Thousands of ships worldwide"
- Market supply:
 20 companies @ ~50 units each per annum

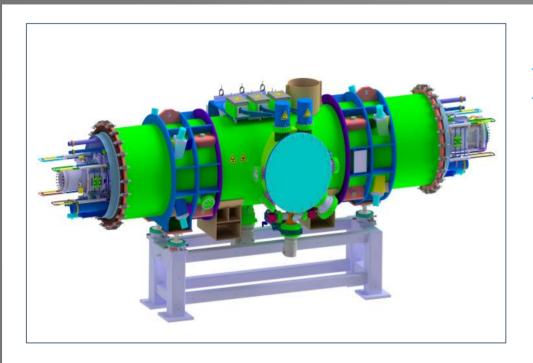


USPs

- Bilfinger's engineering is able to fit scrubber into any existing funnel
- Two phase design
- Low pressure differentials
 → high efficiency
- Bilfinger offers whole value chain
- Technology reduces SOx to required levels (up to 97%)
- Vast experience in scrubber operation in heavy duty environment

1) Deutsche Bank Market Research: Potential game changer for Shipping, November 22, 2017

R&D capabilitiesSuperconducting magnetic modules



Superconducting magnetic modules

- Major contract from GSI Helmholtzzentrum für Schwerionenforschung GmbH
 - Construction and delivery of 83 superconducting magnetic modules for FAIR project (Facility for Antiproton and Ion Research)
 - Contract volume >20 m EUR
 - Bilfinger supplying technology to FAIR for 10 years
 - Bilfinger is also working with Karlsruhe Institute of Technology, CERN and European Organization for Nuclear Research