# STRABAG SE GROUP

## Corporate Structure

<table>
<thead>
<tr>
<th>North + West:</th>
<th>South + East:</th>
<th>International + Special Divisions</th>
</tr>
</thead>
<tbody>
<tr>
<td>Germany, Poland, Benelux, Scandinavia</td>
<td>Austria, Switzerland, Czech Republic, Slovakia, Hungary, RANC, SEE</td>
<td></td>
</tr>
</tbody>
</table>

**Operational**

**Strong brands**

- STRABAG
- ZUBLIN

**Central Staff Units**

- LEGAL AFFAIRS
- CONTRACT MANAGEMENT
- AUDIT DEPARTMENT

**Central Service Companies**

1) BRVZ Bau- Rechen- und Verwaltungszentrum  
2) BMTI Baumaschinentechnik International  
3) BPM Bau Prozess Management  
4) TPA Gesellschaft für Qualitätssicherung und Innovation

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TURNOVER STRABAG SE GROUP

€ millions

<table>
<thead>
<tr>
<th>Year</th>
<th>Europe</th>
<th>Middle East</th>
<th>Africa</th>
<th>Americas</th>
<th>Asia</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>12,011</td>
<td>295</td>
<td>246</td>
<td>89</td>
<td>89</td>
</tr>
<tr>
<td>2011</td>
<td>13,588</td>
<td>309</td>
<td>305</td>
<td>63</td>
<td>111</td>
</tr>
<tr>
<td>2012</td>
<td>13,154</td>
<td>348</td>
<td>125</td>
<td>111</td>
<td>111</td>
</tr>
<tr>
<td>2013</td>
<td>12,719</td>
<td>323</td>
<td>165</td>
<td>263</td>
<td>103</td>
</tr>
<tr>
<td>2014</td>
<td>12,794</td>
<td>272</td>
<td>158</td>
<td>255</td>
<td>87</td>
</tr>
</tbody>
</table>

Change: -2% (+12%) -2% -3% 0%
QUALITY IS MEASURABLE.
STRABAG GROUP IN FIGURES.
EMPLOYEES IN STRABAG GROUP 2014 (BY REGION)

- Germany: 27,551 (38%)
- Austria: 9,860 (14%)
- CEE (Central and Eastern Europe): 18,524 (25%)
- Rest of Europe: 3,953 (5%)
- Rest of World: 6,286 (8.8%)
- Middle East: 6,732 (9.2%)
- Total: 72,906

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ORDER BACKLOG 2014 (BY REGION)

- Germany: 4.9 Bil Euro (34%)
- CEE (Central and Eastern Europe): 3.8 Bil Euro (26%)
- Austria: 1.6 Bil Euro (11%)
- Rest of Europe: 2.7 Bil Euro (18%)
- Rest of World: 1.4 Bil Euro (10%)
- U. A. E.: 0.2 Bil Euro (1%)

Total: 13.761 Bil Euro

in € Billion

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FROM VIENNA TO ABU DHABI. STRABAG GROUP LOCATIONS.
OPERATIONAL BRANCHES IN U.A.E.

- ZUBLIN CONSTRUCTION LLC
- Ed. Züblin AG ABU DHABI BRANCH
- STRABAG ABU DHABI LLC
- STRABAG DUBAI LLC
FIELDS OF ACTIVITY

BUILDING CONSTRUCTION & CIVIL ENGINEERING
- Turnkey Building Construction
- Bridge Construction
- Commercial Developments
- Industrial Facilities
- Power Plants
- Public Buildings
- Housing
- Prefabricated Structures
- Civil Engineering
- Timber Construction
- Metal Construction
- Environmental Technology

TRANSPORTATION INFRASTRUCTURES
- Road Construction, Earthworks
- Railway Construction
- Ground Engineering
- Sewer Engineering
- Rock Engineering & Protective Structures
- Sports and Recreational Facilities
- Traffic Engineering
- Construction Material
- Hydraulic Engineering

SPECIAL DIVISIONS
- Infrastructure Development
- Offshore Wind
- Property & Facility Services
- Tunnelling
- International Business, Across Various Business Units
- Operation, Maintenance, Marketing of PPP Projects
- Real Estate Development
- PPP and BoT Projects

BUILDING CONSTRUCTION & CIVIL ENGINEERING
- ROAD CONSTRUCTION & EARTHWORKS
- BRIDGE CONSTRUCTION
- COMMERCIAL DEVELOPMENTS
- INDUSTRIAL FACILITIES
- POWER PLANTS
- PUBLIC BUILDINGS
- HOUSING
- PREFABRICATED STRUCTURES
- CIVIL ENGINEERING
- TIMBER CONSTRUCTION
- METAL CONSTRUCTION
- ENVIRONMENTAL TECHNOLOGY

TRANSPORTATION INFRASTRUCTURES
- ROAD CONSTRUCTION, EARTHWORKS
- RAILWAY CONSTRUCTION
- GROUND ENGINEERING
- SEWER ENGINEERING
- ROCK ENGINEERING & PROTECTIVE STRUCTURES
- SPORTS AND RECREATIONAL FACILITIES
- TRAFFIC ENGINEERING
- CONSTRUCTION MATERIAL
- HYDRAULIC ENGINEERING

SPECIAL DIVISIONS
- INFRASTRUCTURE DEVELOPMENT
- OFFSHORE WIND
- PROPERTY & FACILITY SERVICES
- TUNNELLING
- INTERNATIONAL BUSINESS, ACROSS VARIOUS BUSINESS UNITS
- OPERATION, MAINTENANCE, MARKETING OF PPP PROJECTS
- REAL ESTATE DEVELOPMENT
- PPP AND BOT PROJECTS
LEED Categories

Each Rating System has categories.

- Sustainable Sites
- Energy & Atmosphere
- Indoor Environmental Quality
- Innovation in Design
- Materials & Resources
- Water Efficiency
LEED CRITERIA

SHEIKH ZAYED DESERT LEARNING CENTER – LEED PLATINUM
Building Envelope, Energy Efficiency, Water Efficiency

- **Building Envelope**: A well designed and insulated building envelope reduces energy consumption.

- **Energy Efficiency**: SZDLC has many innovative energy efficiency systems that contribute towards. (Concrete Core Activation, Earth Heat Exchange, High Frequency Lighting, Renewable Energy)

- **Water Efficiency**: Very efficient water fixtures were installed, Water treatment system, use of recycled water, use of treated water for cooling towers.
SHEIKH ZAYED DESERT LEARNING CENTER – LEED PLATINUM
Renewable Energy PV Panels

SHEIKH ZAYED DESERT LEARNING CENTER – LEED PLATINUM
Maximizing of Daylight

SHEIKH ZAYED DESERT LEARNING CENTER – LEED PLATINUM
Materials Credits

- No Asbestos or Chromated Copper Arsenate Timber used in the project
- Recycled Content
- Regional Materials
- Certified Wood
- Low emitting materials
- Waste Management
- Reflective materials
No Asbestos/CCA

- Asbestos and Chromated Copper Arsenate timber cause diseases.
- Asbestos was banned from being exported, imported and used by UAE Law.
- Materials used on SZDLC did not contain any of these hazardous components.
Recycled Content

• 50% of concrete by volume was GGBS rather than Portland cement. This reduces the negative environmental footprint of the building.
Recycled content
Regional Materials

- Those are materials extracted and manufactured within 500km from project site, which reduces the pollution caused by transportation of building materials.
- They also contribute to improving the local economy.
- Some of the regional materials used on the project:
  - 91% of Concrete Components
  - Stone Cladding on the SZDLC Exterior.
  - Rockwool insulation
  - Granular Fill
Low emitting materials

- The lower the Volatile Organic Compounds (VOCs) in the product means that there are fewer gases emitted.
- Therefore, the occupants and visitors will be exposed to less health hazards.
- This includes adhesives and sealants, paints and coatings and interior materials and finishes.
Certified Wood

- Using Forest Stewardship Council (FSC) certified wood on Sheikh Zayed Desert Learning Center has ensured that we promote sustainable forestry and prevent deforestation and exploitation of aboriginal tribes’ land.
- The permanent wooden doors and toilet partitions and temporary formwork and shuttering were FSC Certified.
Reflective Materials & Outdoor Heat Reduction

SHEIKH ZAYED DESERT LEARNING CENTER – LEED PLATINUM
Waste Management

SHEIKH ZAYED DESERT LEARNING CENTER – LEED PLATINUM
SZDLC Achievement

Aimed for 54 points for LEED Platinum.

Achieved:

- 91% recycling of construction wastes.
- 20.8% use of recycled content materials.
- 12.6% use of regional materials.

Implemented construction pollution prevention methods.

Implemented Indoor Air Quality Protection Measures.
THANK YOU.