German Asphalt Industry
Overview and future trends

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Classification of German roads

- Motorways: 1.9 % asphalt
- Federal roads: 6.7 % asphalt
- State roads: 14.1 % asphalt
- Local roads: 77.3 % asphalt

Total length of German roads: 650,000 km

Customers of the asphalt industry
- Contractor
- Federal government
- States
- Local authorities

⇒ Couple of 1000 road constructing companies, most of them very small

Financing of Road projects

- Taxes from road traffic
  - (tax for cars, petrol, VAT, toll roads): 53 Mrd. €
- Public expenses for roads: 17 Mrd. €

Expenses of the Federal State for Roads

Guarantee

- Asphalt producer: 5 years
- Contractor: 2-5 years depending on course and thickness
- Client: 2-5 years
DAV
(German Asphalt Pavement Association)

Board
DAV-office

8 regional boards:
- no office, no own money

3 working groups:
- asphalt technology
- machinery and environment
- economy

DAI
(German Asphalt Institute)

Board
Scientific committee
DAI-office

Research Institutes

Members of DAV

ca. 190 asphalt producing and/or laying companies
with ca. 460 mixing plants (from 650 in total)

ca. 100 associated members like laboratories, mixing plant manufacturers, bitumen suppliers ...

Problems of the Asphalt Industry

- More than 50 % of the production is produced from September to December
- Bitumen supply (especially during production peaks)
- CO₂ emission trade system
- Costs: bitumen, energy, aggregates ...

Future trends

- low temperature asphalt
- porous asphalt and other noise reducing pavements
- generally: lowering the emissions during production and laying and improving the effectiveness of energy consumption
- Recycling
- Quality
- Asphalt in cities

Year | Asphalt production Million tons | Recycling Million tons | Percentage Recyclingmaterial in Production in %
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2000 | 65 | 12 (from ~ 15, means ~ 80 %) | 18.5
2001 | 63 | 12 (from ~ 15, means ~ 80 %) | 19
2002 | 58 | 11.5 (from ~ 14, means ~ 82 %) | 20
2003 | 58 | 11.5 (from ~ 14, means ~ 82 %) | 21
2004 | 52 | 11.5 (from ~ 14, means ~ 82 %) | 22
2005 | 57 | 11.5 (from ~ 14, means ~ 82 %) | 20
2006 | 57 | 11.5 (from ~ 14, means ~ 82 %) | 20
2007 | 57 | 11.5 (from ~ 14, means ~ 82 %) | 23
2008 | 53 | 11.5 (from ~ 14, means ~ 82 %) | 23
2009 | 55 | 11.5 (from ~ 14, means ~ 82 %) | 21
2010 | 48 | 11 (from ~ 14, means ~ 79%) | 24
2011 | 50 |
Questions?
Statements?