



chemistry in engineering
for durable constructions

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**Design of
performance-oriented
materials for construction and
industry -
preventive, sustainable and
cost-effective**

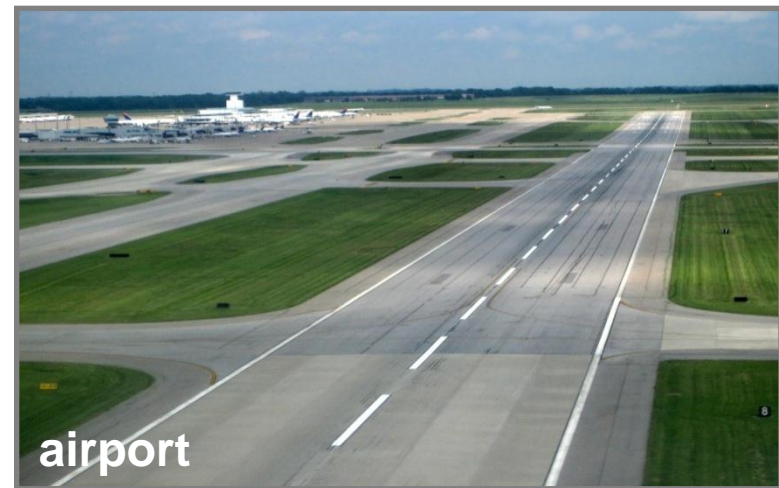
Public infrastructure – challenges for future technologies



Use- and object-related impacts on infrastructure such as

- mechanical stress,
- chemical impacts,
- biological impacts and
- impacts due to climate change...

... require to rethink the construction and use of infrastructure!





Engineering constructions

- **Concrete bridges**
e.g. >140.000 just in France
- **Tunnels**
e.g. >1.800 just in Switzerland
- **Parking facilities**
e.g. >1.700 just in Germany
- **Commercial airports**
e.g. >500 just in the USA





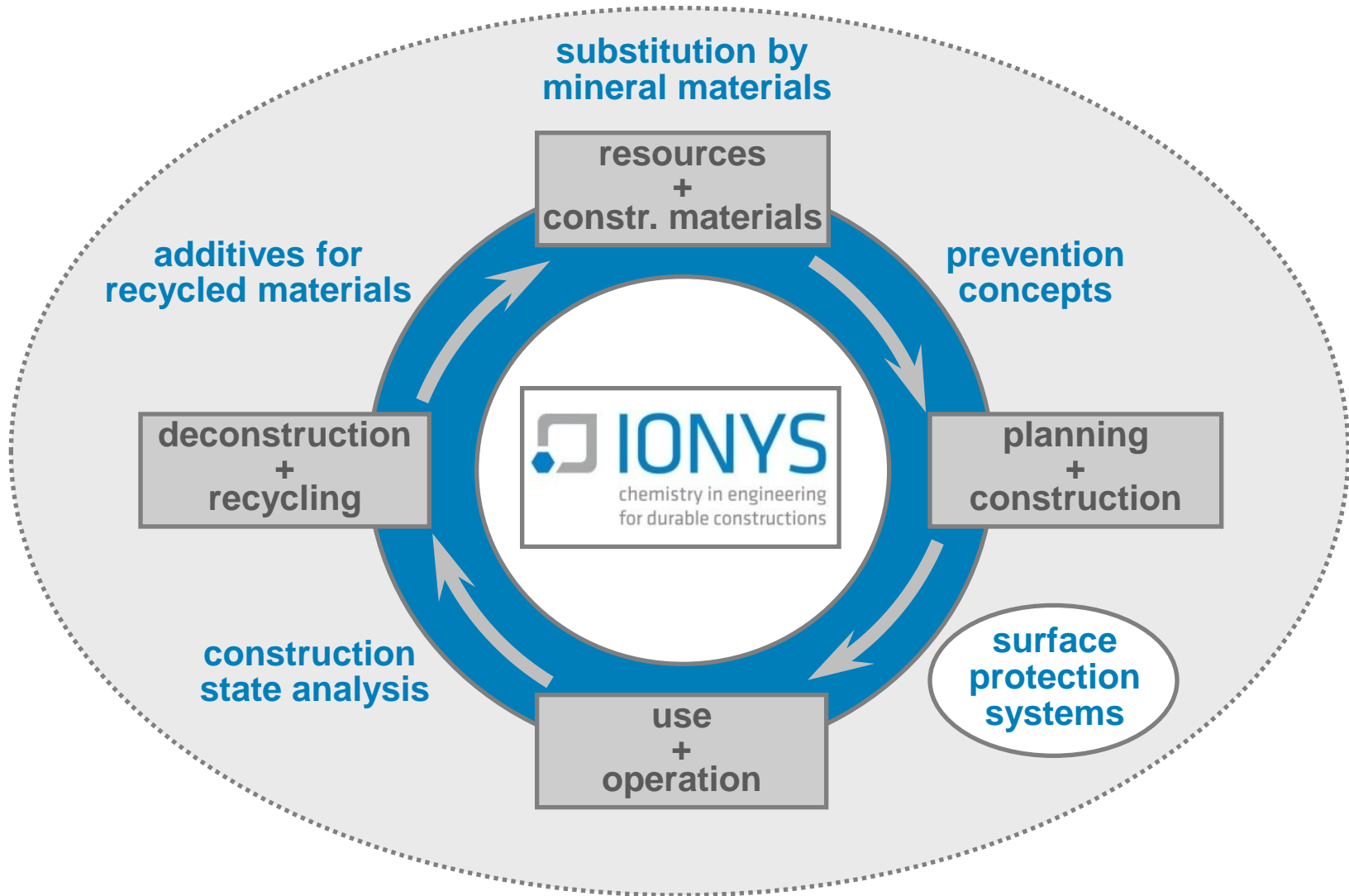
IONYS AG products for infrastructure enable to ...

- ... avoid damages
- ... reduce downtime
- ... reduce environmental impacts
- ... adapt to climate change

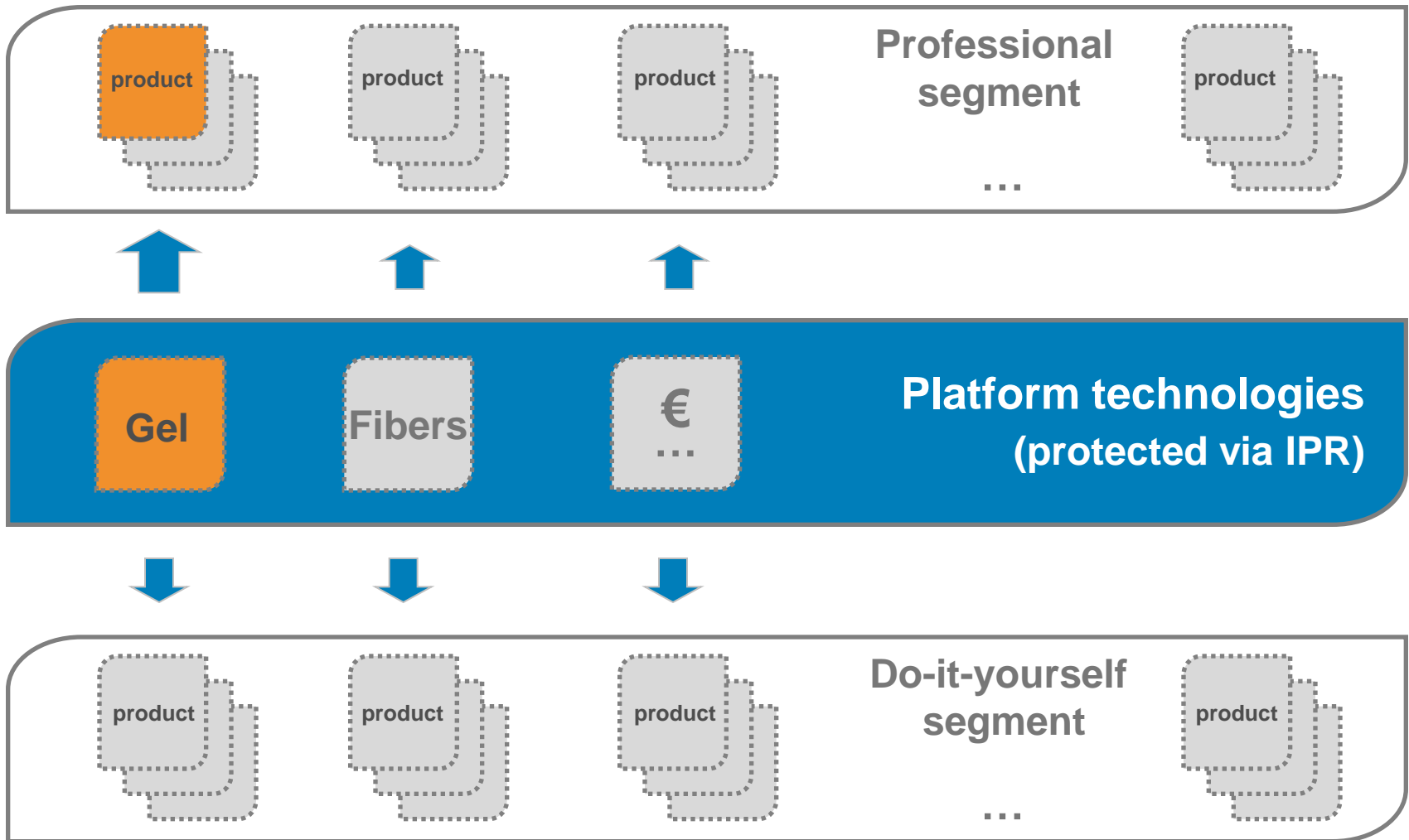




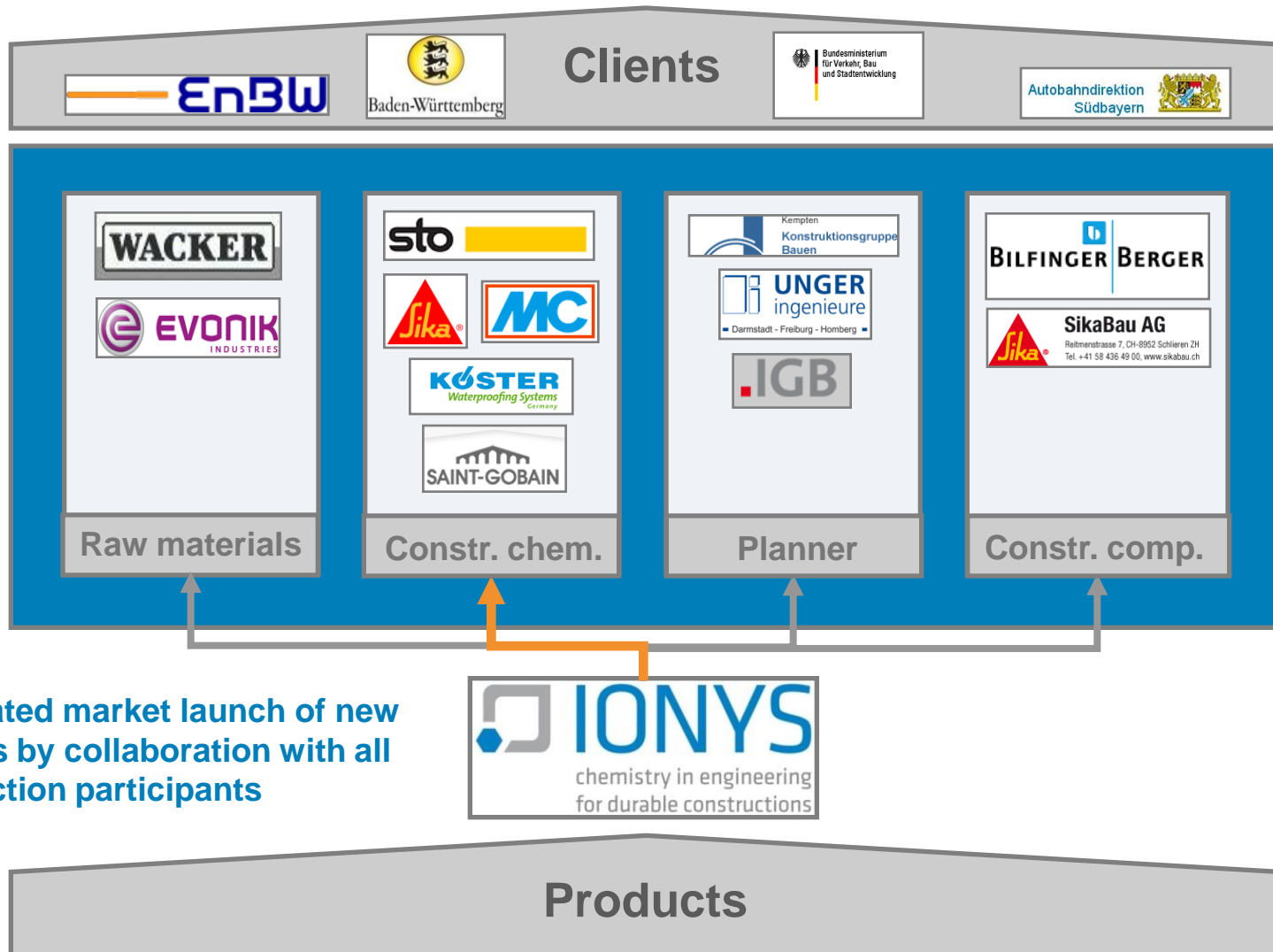
- Effective prevention of capillary contaminant absorption
- Applicable for new as well as existing constructions
- Revolutionary new chemical mechanism
- Substantially improved effectiveness
- No disturbing residues on the surface
- High absorption speed of the active substance
- Open to vaporous diffusion (from the inside to the outside)
- Easy applicability
- High ecologic tolerance
- Viscosity adjustable to specific needs
- Production via simple stirring process



IONYS AG – Unique pipeline of future products



IONYS AG – Intelligent highway to the market



Accelerated market launch of new products by collaboration with all construction participants



- **Award winning technology and team**
- **Addressing huge markets (public infrastructure)**
- **Solid basis for accelerated growth**
- **Unique pipeline of future products**
- **Competitive products with societal relevance**
- **Intelligent highway to the market**
- **Cash flow positive since foundation**



Dr. Rüdiger Werp
Managing Director

➤ 10 years experience in the general management of high-tech spin-offs



Dipl.-Ing. Paul Wirtz
Managing Director

➤ 25 years experience in construction engineering and management



Prof. Dr. Andreas Gerdes
Head of R&D

➤ 20 years experience in cutting edge research in construction chemistry



Dipl.-Wi.-Ing. Martin Schmidt
Head of operations

➤ 5 years experience in operational management

IONYS AG – Award winning technology and team



IONYS AG – Winner of the „bwcon CyberOne Hightech Award 2010“