

Company Presentation

denso-group.com



Agenda

- Company Profile
- Fields of Activity
- Products & Production
- References
- Uniqueness
- Appendix





Company Profile

Company Profile

Future-oriented
products for
100 years

*1922

Sales
partners
worldwide

>100

Annual
revenues
(€ million)

>50

Own
locations
in Europe

+6

Dedicated
employees

~200

Family
owned

100%

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Milestones

Patent grant of **DENSO®-Tape** (Petrolatum tape): the world's first reliable passive corrosion prevention for pipes & pipelines.

1927



Invention of the world's first co-extruded 3-ply tape **DENSOLEN®** for corrosion protection of pipelines.

1973



TOK®-Sil Resist: stable bitumen joint compound for biogas plants.

2013



100 years of DENSO
We are proud of 100 years innovative product development.

2022



1952

Invention of **TOK®-Band:** a joint sealing for concrete and sewer pipes.



1977

TOK®-Band: the world's first bitumen joint tape for joints and seams in asphalt road construction.



2021

SEALID®: worldwide first All-in-1 corrosion protection.



Production

- Modern production facilities from German Engineering companies.
- High vertical range of manufacture & efficient production processes.
- Very low emissions.
- Very low production waste & high recycling rate.
- Mostly automated production processes.
- Environmental Management System for resource conservation.



Process & Quality Control

- In-house R&D and QM department. ISO 9001:2015 certification.
- Continuous production monitoring
 - Internally by QA department
 - Externally by independent institutes & authorities (e.g. DVGW, COPRO, Polymer Institute).
- Modern testing techniques & analysis devices, e.g.
 - TGA, Thermogravimetric Analysis
 - DSC, Dynamic Scanning Calorimetry.
- Batch tracing by barcode-system.



An aerial photograph of a highway interchange. The highway has multiple lanes with white lane markings and arrows. Several vehicles, including cars and trucks, are visible on the road. On both sides of the highway, there are large construction sites. The sites feature deep excavations, piles of earth, and various pieces of heavy machinery, including yellow excavators and trucks. A blue banner with white text is overlaid on the bottom left of the image.

Fields of Activity

Corrosion Protection

Tanks & Storage

Soil-to-Air Interface Areas

Trenchless Installation

Pipeline Rehabilitation

Station Construction

Field-joint Coating



Sealing & Insulation

AC & Ventilation Construction

Pipelines

Carriage & Container

Cable & Pipe Entry Points



Offshore & Harbour

Offshore

Pier & Harbour Protection



Joints in Asphalt & Concrete

Lamppost
Protection

Extruded Bitumen
Joint Tape

Sensor & Induction-loop Sealing

Repair
Asphalt

Asphalt
Reinforcement

Joint Sealants for
Concrete Walls

Coating Compounds

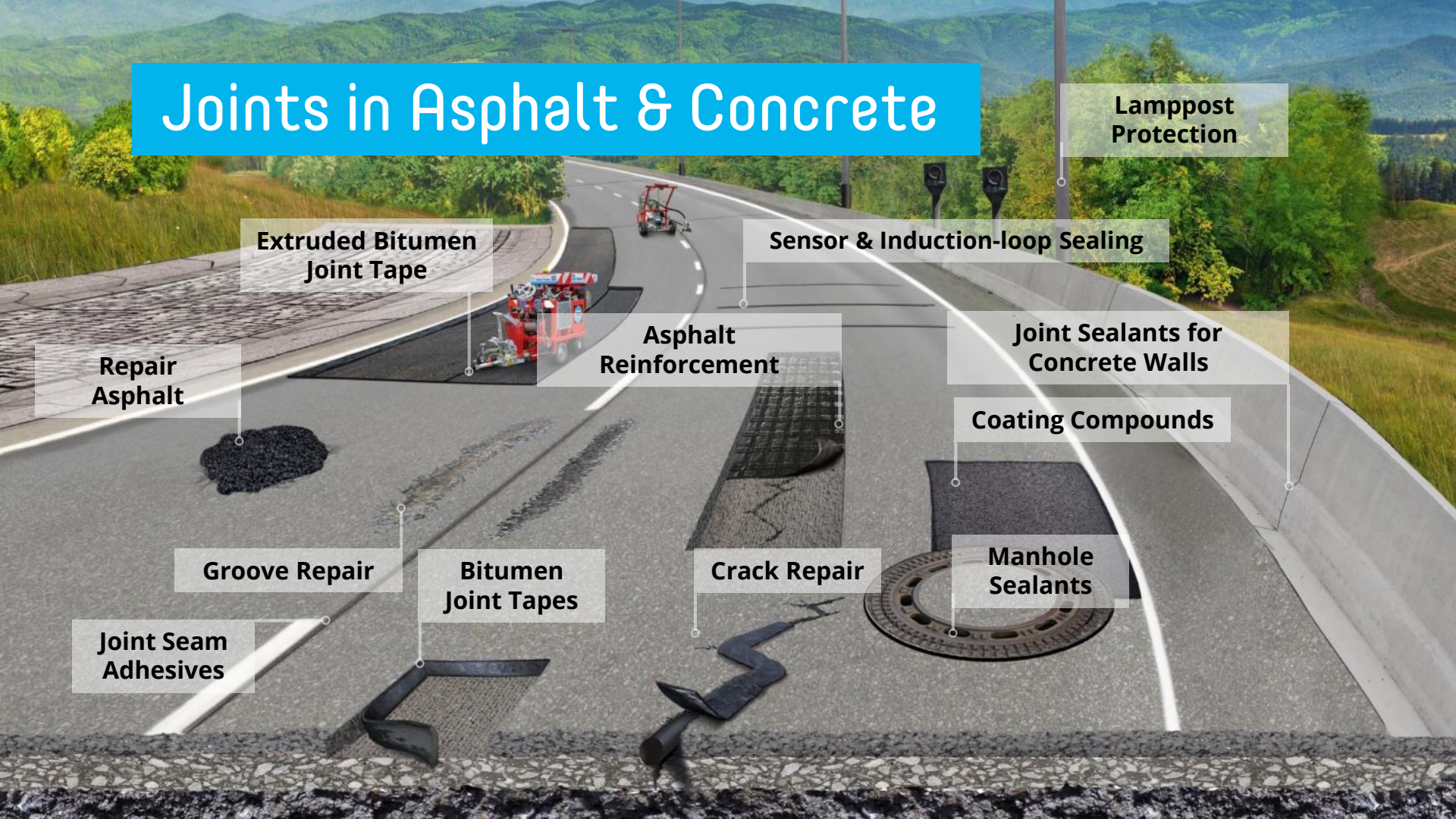
Groove Repair

Bitumen
Joint Tapes

Crack Repair

Manhole
Sealants

Joint Seam
Adhesives



Rail Protection

Rail Pouring Compounds

Rail Joints



Joints at High Loads

**Horizontal & Vertical
Joint-Sealing**

Concrete Repair

**Fuel-resistant
Pouring Compounds**

**Sewer Pipe &
Shaft Sealants**





Products & Production

Products Corrosion Protection

- All-in-1 Solution SEALID®
- Tapes & Tape Systems DENSO®, DENSOLEN®, DENSIT®, PALIMEX®, VivaxCoat®
- Mastics DENSO®, DENSOLEN®, DENSIT®
- Shrink Sleeves DEKOTEC®
- Epoxy Coatings FORTIDE®
- Brushed & Sprayed Polyurethane Coatings DENSOLID®, DENSOLASTIC®
- Mechanical Protection Systems DEPROTEC®
- Composite Repair Systems DEXPAND®
- Pier & Harbour Protection / Offshore MarineProtect®



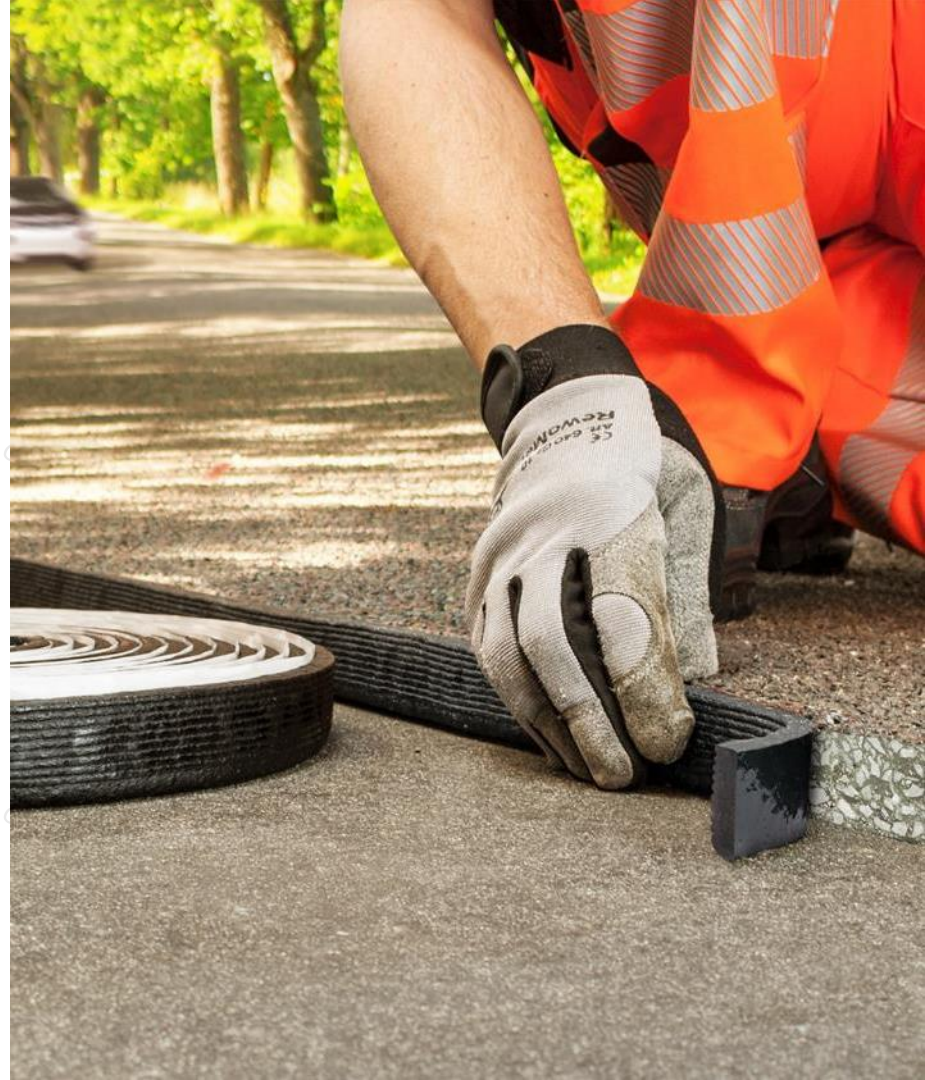
Production Corrosion Protection

- Production process:
 - Real 3-ply coextrusion,
 - Multi-stage & unique,
 - Permanent layer thickness testing in μ -range.
- Only use of best raw materials.
- Production of own intermediate compounds & granulates.
- Construction of wrapping devices: DENSOMAT[®]-series.
- Compliance with the highest norms & standards and certifications.
- Internal & third-party monitoring.



Products Sealing Technology

- Bitumen Joint Tapes TOK®-Band
- Hot Pouring Compounds TOK®-Melt
- Cold Pouring Compounds DENSOLASTIC®
- Joint Seam Adhesives TOK®-Plast
- Asphalt Reinforcement TOK®-Armabit SK
- Elastomer Motars DENSOLASTIC®
- Asphalt & Concrete Repair TOK®-Fill
- Sewer Sealing TOK®-Strip
- Stable Joint Compounds TOK®-Sil Resist
- Rubber Profiles FERMADUR®, GOMEX®



Production Sealing Technology

- Production of various bitumen joint tapes.
- Multi-stage & efficient production processes.
- Only use of best raw materials.
- Specifically developed application devices: TOKOMAT® , SEALOMAT®
- Compliance with the highest norms, standards and certifications.
- Internal & third-party monitoring.



References



What makes DENSO unique



DENSO

- ✓ Leader in innovation and quality
- ✓ World's longest proven corrosion protection for pipelines
- ✓ No. 1 for bitumen joint tapes
- ✓ Uncountable international projects and references
- ✓ Widest product portfolio in our industry
- ✓ 100-year production guarantee
Made in Germany



Advanced in Sealing.



Thank you for your
attention!



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Appendix

DENSO – DEKOTEC – Denso?

DENSO founded
in Berlin/Germany as
“Chemieprodukte GmbH.”

1922

1927

World’s first
registration of the
trademark “DENSO”
(lat.: „to seal”).



Distribution of “DENSO®-Tape”:
Winn & Coales (UK) becomes
selling agent & license holder for
the UK and exports to British
Commonwealth Countries.

~1930

~1945

By decision of the WWII
victorious power England:
trademark rights for
“DENSO” get assigned to
Winn & Coales in UK,
Ireland, etc.



DENSO – DEKOTEC – Denso?



vs.



Winn & Coales UK is no longer selling agent and licence holder. Trademark conflicts in some countries worldwide.

Since 1945

1949

Foundation of Japanese DENSO Corporation (former TOYOTA subsidiary). "*Densō*" is Japanese for "electrical equipment."

DENSO **



Foundation of DEKOTEC GmbH: Distribution of DENSO-products in countries where trademark rights "*DENSO*" are with Winn & Coales (UK). Identical products under a different brand.

2001

* Trademark of Winn & Coales International Ltd.

** Trademark of Denso Corp. Japan.

There is no offer of goods or services.

Why Leverkusen as location?



Why Leverkusen as location?



Second World War:
Complete destruction of the
company premises in
Berlin.

1945



1922

Foundation of DENSO in
Berlin as
"Chemieprodukte GmbH".



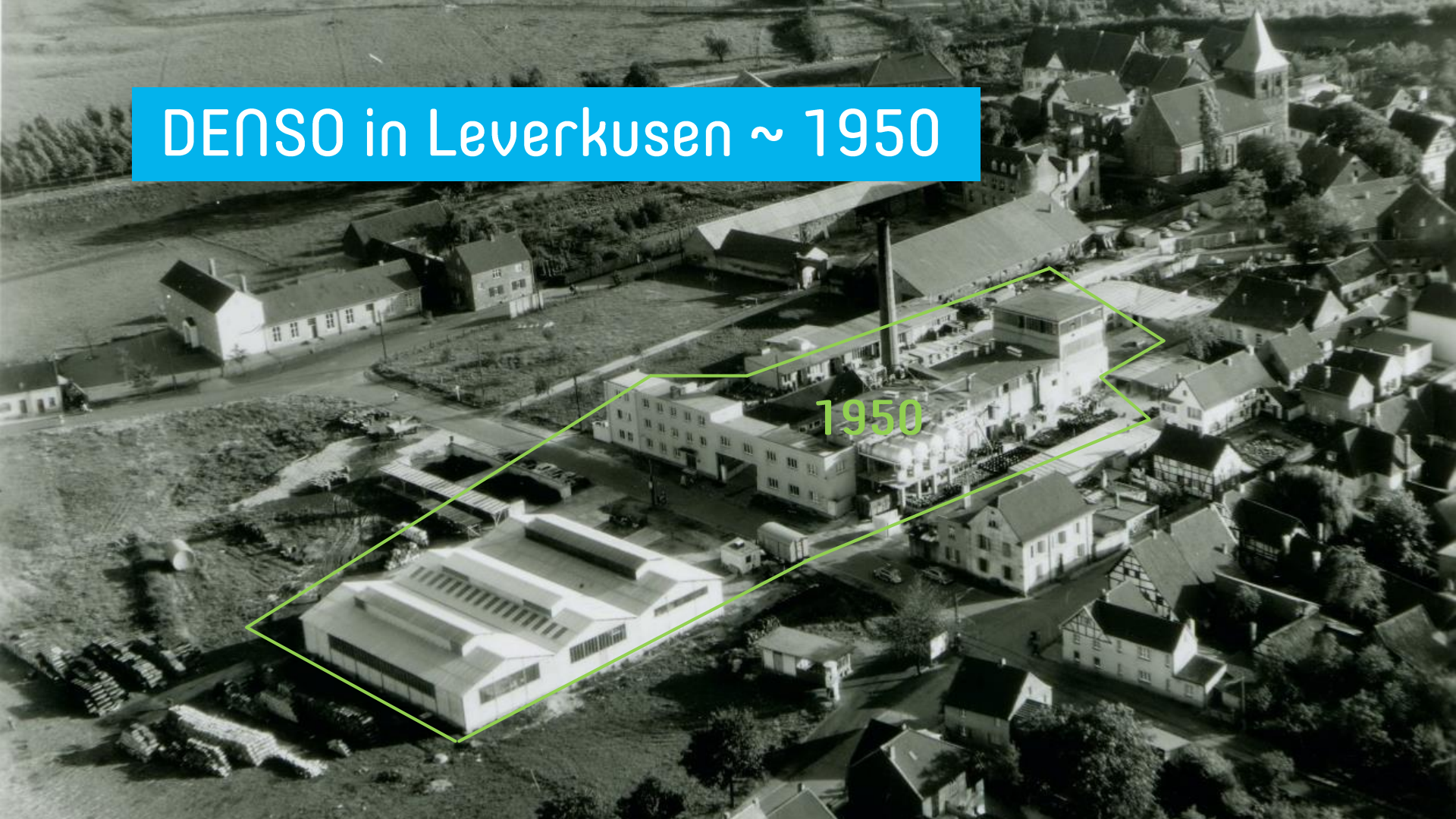
~1950

Reconstruction in Leverkusen:

- Close to BAYER Chemie AG
- Use of Rhine river for transportation.

DENSO in Leverkusen ~ 1950

1950



DENSO in Leverkusen ~ 2020



St. Aldegundis
Pastoralbüro

Dienstleistungen
kleinebraun

AlfaSw
Hans Frie
Immobilie

1950

DENSO

Gaststätte Normausen

Felderstraße

2

39