

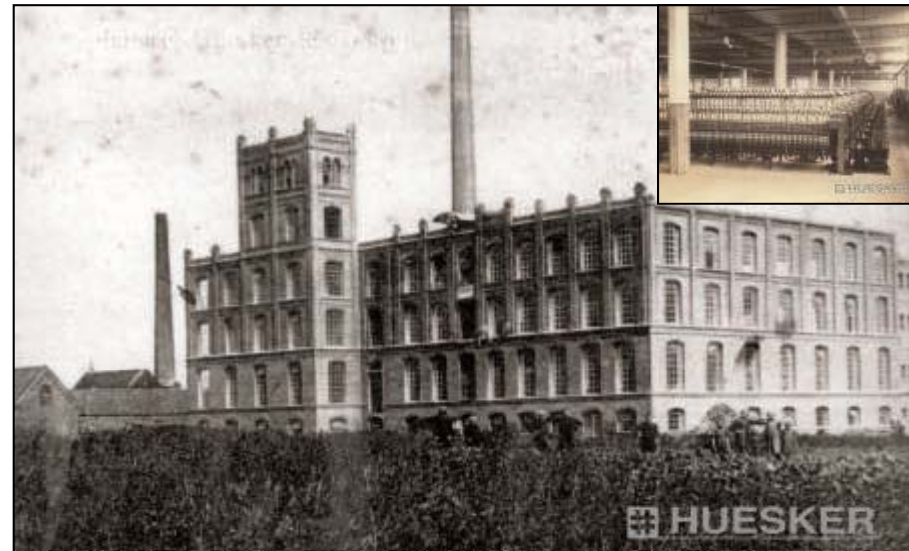
HUESKER

Ideen. Ingenieure. Innovationen.



**Welcome to the world of high class
Geosynthetics, Technical Textiles,
Agriculture Textiles and tailor-made systems**

- # **1861** Founded as
H. & J. Huesker & Co
- # **1958** HUESKER started the
production of filter fabrics
and sandbags out of synthetic
fibers
- # **1973** Foundation of the independent
HUESKER Synthetic GmbH
- # **1991** Foundation of the first sister
company HUESKER Inc. ,
Charlotte/USA
(...several more followed)
- # **2012** The HUESKER Holding is a
global player with a 150 years
of experience.





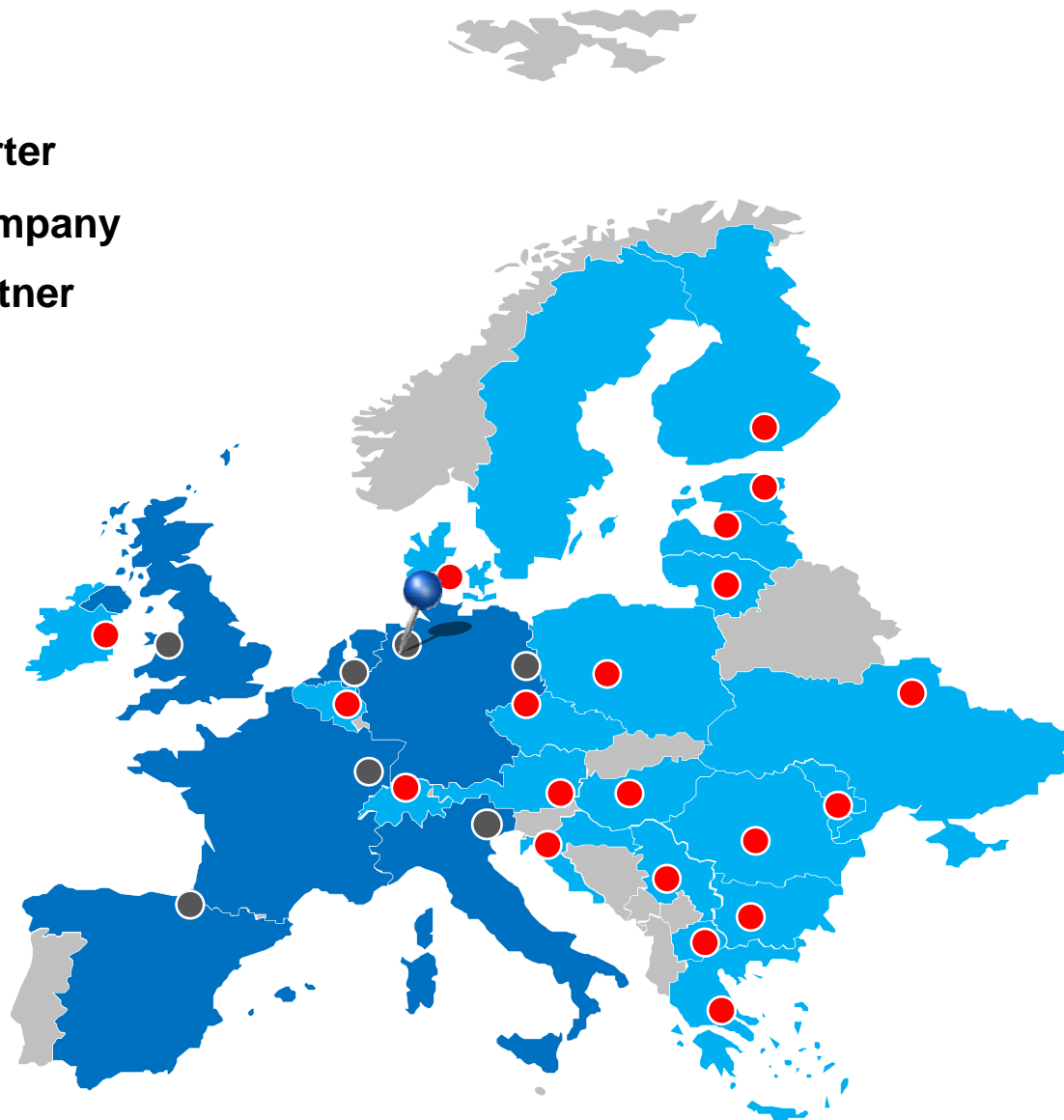
Headquarter



Sister company



Sales partner



Production Locations

Production facilities in:

- # Germany
 - # Gescher (HQ)
 - # Dülmen
 - # Ellefeld
- # USA
 - # Shelby, NC



HQ and Production site in Gescher



Production site in Dülmen

- # Laboratory: Accredited according to DIN EN ISO/IEC 17025
- # QMS According to DIN EN ISO 9001
- # EMS: According to DIN EN ISO14001
- # (Product-) Certificates: Among others BAM, Berlin; EBA, Munich; DBAG, Berlin; BAW, Karlsruhe; BBA, Garston



Our engineers continuously develop creative, new and market-driven answers for technically high demanding challenges



Our highly competent Engineering Department is a basis for our economical success



Earthworks and
Foundations

Environmental
Engineering

Roads and Pavements

Hydraulic Engineering

Earthworks &
Foundations



Reinforced soil walls e.g. with Fortrac®



Embankments on soft soils

Environmental
Engineering



Landfill capping



Lining of ponds

Hydraulic
Engineering



Coastal protection



Offshore breakwater

Roads &
Pavements



Asphalt reinforcement with HaTelit®



Base reinforcement

Example Projects

- Sweden -
Reinforced soil walls (Vector Wall)
using Fortrac[®] geogrids

Background

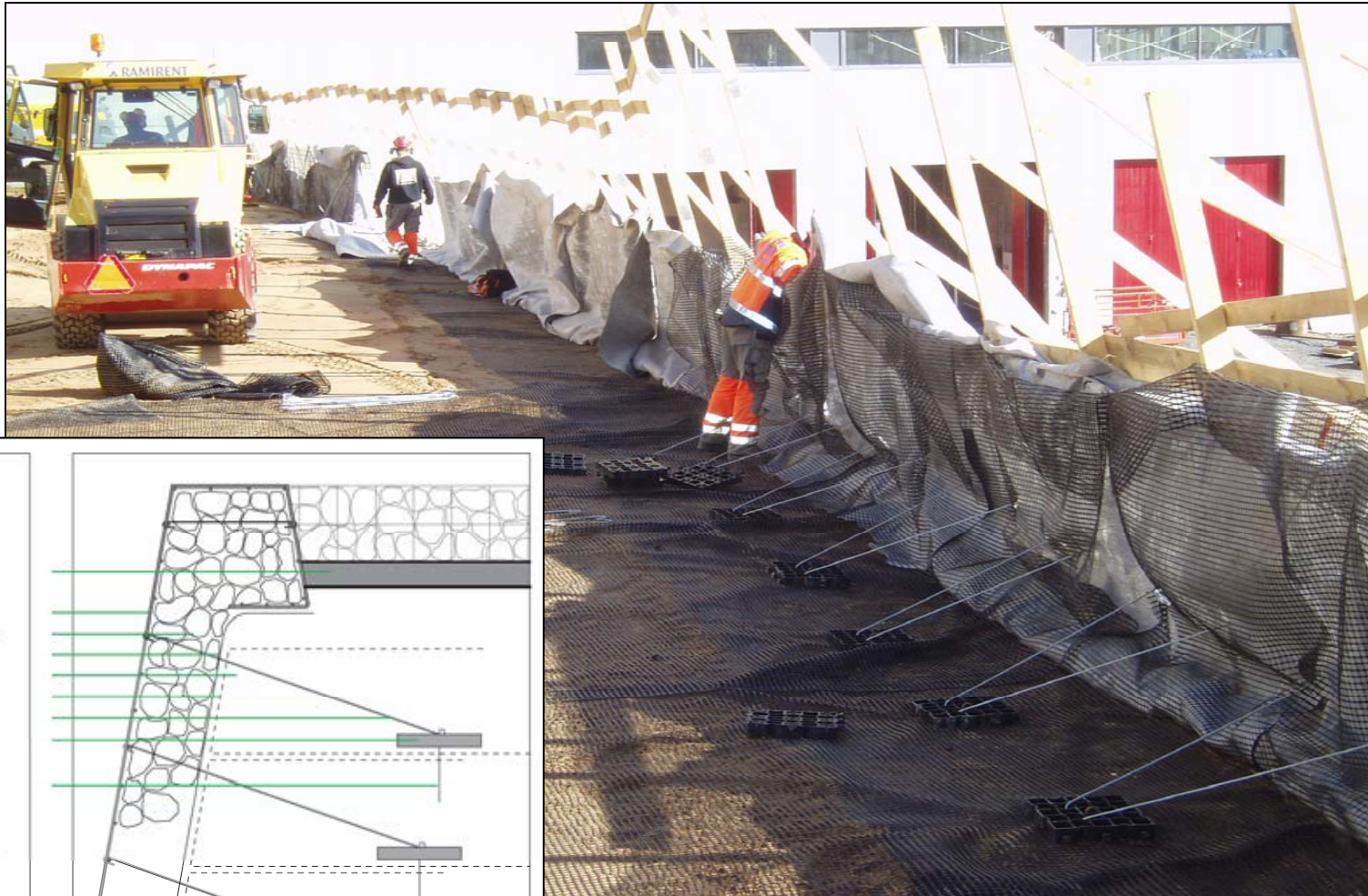
- # The walls were designed for heavy traffic loadings
- # Total volume is approximately 2000 m² facings
- # Project built between 2004-2005

Three soil-reinforced Vector Wall in three steps each 7 m high



Vector Wall in Sweden

Soil-reinforcement with Fortrac® 80/30-20



The soil-reinforcement wall is designed for heavy traffic loads



In-fill of sand and compaction



Construction stage



Finished



- Estonia -

Asphalt reinforcement with
HaTelit® C 40/17 on
Tallinn - Narva Road

Tallinn - Narva Road



Background

- # Road was rehabilitated in 2005
- # The following setup was planned:
 1. Mill off the existing surface course
 2. Spray bitumen emulsion
 3. Apply HaTelit® C 40/17 as asphalt reinforcement
 4. Installation of 40mm asphalt wearing course
- # Intention of HaTelit® as Asphalt reinforcement was to significantly delay reflective cracking and thus to increase the service life of the road.

Milled surface



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Spraying the bitumen emulsion



© HUESKER Synthetic GmbH

Rolls of HaTelit® C 40/17



© HUESKER Synthetic GmbH

Application of HaTelit®



© HUESKER Synthetic GmbH

Application of HaTelit®



© HUESKER Synthetic GmbH

Installation of the asphalt wearing course



© HUESKER Synthetic GmbH

Installation of the asphalt wearing course



© HUESKER Synthetic GmbH

Installation of the asphalt wearing course



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Condition in May 2014

Condition in May 2014



Condition in May 2014



...no cracks had been found!



Weblinks



<http://www.huesker.com>



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