



Reference book

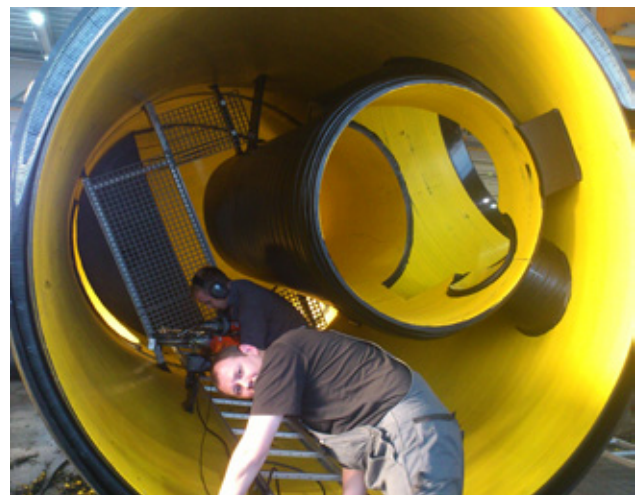
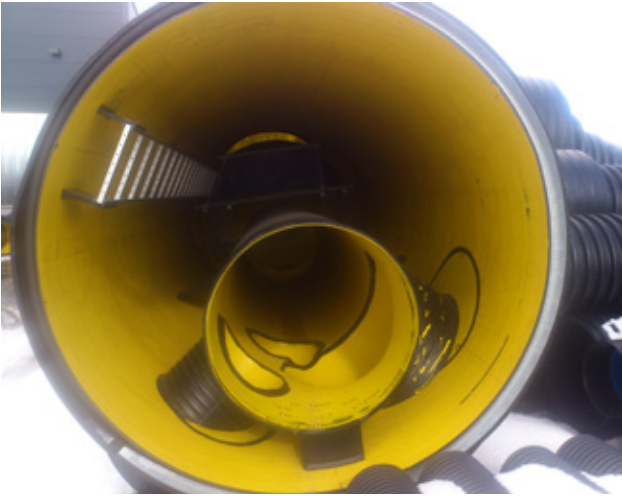
Wastewater treatment plant in Riga



Latvia, Riga

Reconstruction of biological wastewater treatment sedimentation tanks in Daugavgriva wastewater treatment plant. Pipelines ID1400, 1600, 2400 with the calculated ring stiffness. Pipeline ends are equipped with special water-stop seals and a special profile for pouring into concrete.

Chambers and pipelines in the Sochi region



Russian Federation, Sochi, Krasnaya Polyana, the bobsleigh track

The diameters of the chambers ID1600 and 2200, the maximum height up to $h=12600$.

Chambers for pipes OD160 - ID1200.

The chambers are equipped with a working platform and ladders.

Chambers and a pipeline in Kaliningrad

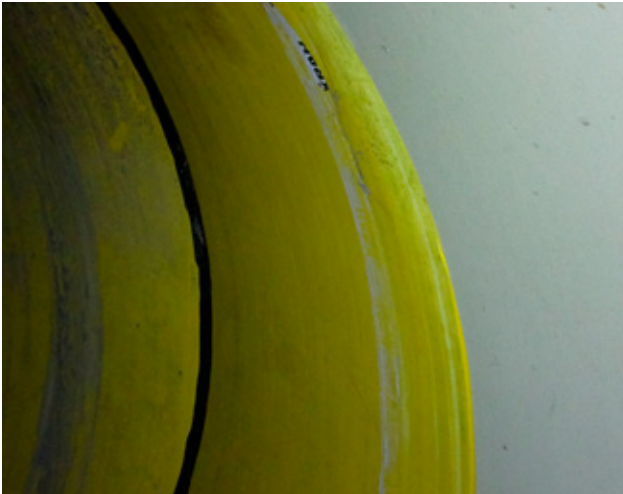


Russian Federation, Kaliningrad, Moscow avenue, Yaltinskaya st.

Chambers and pipeline for transport of storm water. Chambers ID2000 h=5520 for pipes ID1200. Pipes ID1200 partially SN8, and with the calculated profile stiffness SN22. All joints made with rubber gaskets.

Very difficult installation conditions, river at a distance of 10 meters. The soil is filled with debris, sawdust, etc. The depth of installation is 4 m from pipe crown.

Wastewater treatment plant in Kaliningrad



Russian Federation, Kaliningrad

Reconstruction of water treatment plant pipelines in Kaliningrad. Pipes ID1000, 1600, 2000. Bends from 15 to 90 degrees for these pipes. Pipelines with low pressure SN4, SN8 and partly calculated ring stiffness considering the installation conditions. Tubes installed under roads with heavy traffic and in ordinary soil. Krah electrfusion connection on all diameters. Due to changes in the project from fiberglass pipes to Krah PE pipes, development and production of the special transition/connection from fiberglass to KRAH pipes.

Narva Power Plants Eesti Energia



Estonia, Narva

Reconstruction of DN1600 metal pipeline for cooling water circulation with Krah ID1400/OD1580 using the relining method. Retraction of 60 m segments connected by electrofusion welding into an existing pipeline. Pressure chambers, extrusion welding of vertical and horizontal bends inside the old pipeline at site. Flange connections DN1600 to existing pipeline. Pipeline working pressure up to 1 bar.

The reconstruction of the pipeline in Tartu



Estonia, Tartu, Ihaste st

Reconstruction of the concrete pipeline DN1500 with Krah pipes ID800 SN8 using trenchless method by pushing the pipe segments. Chambers ID1000 with a space for portable ladders. Connection by electrofusion welding. The longest segment pushed into the old pipeline - 375 m, free space filled with concrete.

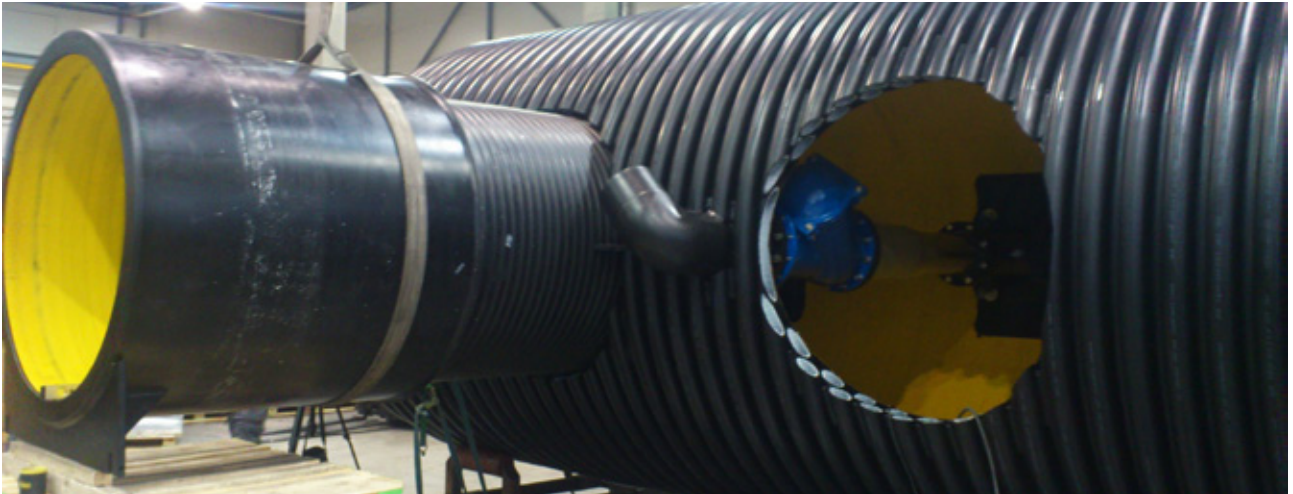
The pipeline for storm water at the Nokian Tyres plant in St. Petersburg



Russian Federation, Saint-Petersburg

Pipelines ID600, 800, 1000, 1200, all SN8. Chambers for the Krah pipes ID1600, ID1400, ID1200 with the calculated ring stiffness.

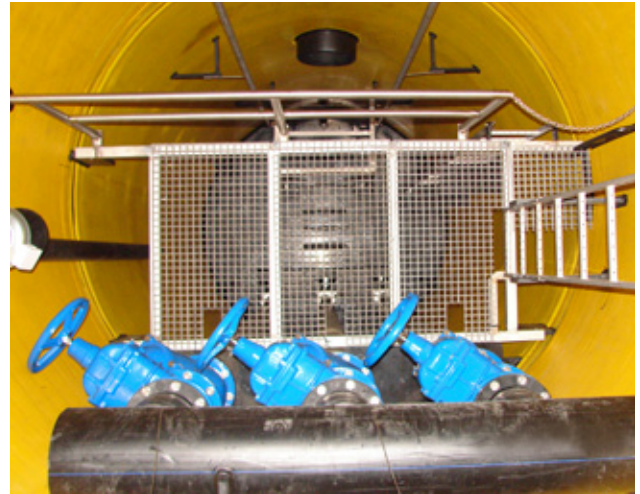
Horizontal pumping station/sand-separator for the storm water at the Tallinn – St. Petersburg highway



Estonia, Tallinn, St. Petersburg highway

2 pcs of ID2000 L=6000 mm with a calculated body. The volume of sand-separator 3.7 m³, the volume of the pumping station 11.3 m³. Pumps 2x110 l/s (2x396 m³/h). 1 pcs of ID2400 L=8260 mm with a calculated body. The volume of sand-separator 10 m³, the volume of the pumping station 27 m³. Pumps 2x120 l/s (2x432 m³/h).

Main pumping station for sewage in Klaipeda



Lithuania, Klaipeda

ID3000 h=9370 mm with a calculated body. The total volume is 58.6 m³, working volume 19 m³. Pumps 3x203,4 m³/h. Head h = 20,7 m

The ventilation system of the Estonian National Maritime Museum



Estonia, Tallinn

Ventilation pipelines ID300, ID500, ID600, ID800, ID1000 SN4 and SN8. Bends, branches, collectors, reductions for all sizes with electrofusion welding. All pipes and elements installed are made with a special anti-static inside layer. Overall length - 900 m.

Pumping station for the St.Petersburg water company



Russian Federation, Saint-Petersburg, Toksovo
ID1200 H=3800 mm with a calculated body. Pumping station was installed under the traffic, with a cast iron cover for 40 t.

Stormwater pipeline reconstruction in Stockholm



Stormwater pipeline reconstruction Sweden, Stockholm, Sundbyberg

Pipeline ID1200 SN8, Bends in different degrees and saddle manholes.

All joints made with rubber gaskets. Pipeline was built by Skanska Sverige AB.

Sweden, Eskilstuna logistics hub / Airport



Constructon company: Svenska infra och anläggningsbyggarna AB (SIAAB)

Extention of the airport in Eskilstuna, rainwater pipelines. Around 2000 m of pipes ID2000 and ID1500 plus ID1200 and ID1000 all together more than a 3000 m of SN8 pipes, also manholes, bends and reducers were delivered. 6 m pipes were welded together with electro-fusion into 12 m lenghts at Krah facilities and delivered to the site where they were installed and connected with rubber seal connections.

Norway, Stjørdal



Construction of the public road.

18 m of ID3000 SN4 pipes with rubber seal connection delivered.

Sweden, Nykvarn



BEFORE

AFTER



Reconstruction of the old culvert pipes.

2xID1600 L=36 m SN8 pipes with electro-fusion connection were installed inside of the old steel pipes.

Denmark, Nørre Uttrup



Construction of a shooting range.

ID3000 pipes with calculated stiffness were installed as tunnels for the shooting marks. 2x10.5 m + 2x12.4 m pipes were delivered.

Lithuania, Klaipeda



Construction of marine logistics terminal.

Several kilometers of SN8 pipes ID300, ID500, ID600, ID800 and ID1200 all with electro-fusion connection. Manholes with electro-fusion connection to all of these pipes. Stormwater tanks ID1200 and pumping stations. Oil separators for 4, 25, 50, 90, 100 and 120 l/s. Project requirement was that all the materials have to hold traffic load F900 (90 tons).

Finland, Sipoo



Construction of the stormwater pipeline for the logistics center.

Delivered over 2000 m of both ID800 and ID1000 SN8 pipes + 400 m of ID1200 SN8 pipes with rubber seal connection. Also delivered ID1400 and ID1200 pipes with calculated stiffness and with electro-fusion connection to be used as a protection pipe under the building. Bends, manholes, reducers and gate valve manholes for DN1000 valves also delivered.

Denmark, Aarhus



Reconstruction of the water treatment plant and sewage pipeline.

More than 2000 m of ID800 and ID600 SN8 pipes in 3 m length with rubber seals delivered. Construction company VAM A/S.

Denmark, Hammel, Tillemansvej



Construction of the stormwater pipeline.

Around 300 m of ID1000 and ID1200 SN8 pipes in 3 m lengths with rubber seal connection. Regular manholes and saddle manholes were also installed.

References

- Stormwater pipeline ID1200, Primorsky Prospect, Saint-Petersburg, Russian Federation
- IKEA shopping center, 300 m of stormwater pipeline ID800 and ID600 in Kuopio, Finland
- The Tallinn – St.Petersburg highway culvert pipes, ID1000 calculated pipes, Estonia
- The Riga – Moscow ID1000 highway culvert pipes, Latvia
- The main stormwater collector ID1000, 800 m in Liepaja, Latvia
- IKEA shopping center, 300 m of stormwater pipeline ID800 in Vantaa, Finland
- Manholes with calculated body ID1000, ID1400, ID2000 for Gasprom, Ukhta, Russian Federation
- 68 m of ID3000 SN4 pipes to Solumsmoen, Norway
- National Stadium in Warsaw ID2000 tanks, Poland
- 600 m of ID1000 SN8 stormwater pipeline with manholes in Kivimurru street, Tallinn, Estonia
- The main stormwater collector and 400 m ID1400 SN8, 144 m ID800 SN8 pipes in Gdansk, Poland
- Stormwater pipeline ID800 and ID1000 SN8 for PT-Logistics center, Sipoo, Finland
- The main stormwater collector and 282 m ID1500 SN8, 54 m ID1600 SN8 pipes; manhole shafts ID1500 and ID1600 in Lodz, Poland
- ID500 pipeline and manholes with electro-fusion connection, Romania
- The Wroclaw – Warszawa highway Poland ID1200 SN8 600 m, Poland
- Stormwater pipeline ID800 SN8 640 m, relining in Narva, Estonia
- 540m ID800 SN8 stormwater pipeline Pinsk, Belarus
- Federal road M-27 Djugba – Sochi 1400 SN8 with electro-fusion connection, Russian Federation

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