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Our goal is to improve products and to cooperate closely with customers, scientific and research centres, public administration and suppliers.

That's why our motto is:

"Let's Create a Better Future Together"

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ViaCon Group Products Dedicated to Railway





Business profile of the company:

- manufacture, design, sale and installation of flexible structures used for construction and repair of culverts, bridges, overpasses, tunnels, rural underpasses, wildlife crossings, and other engineering structures, and used also as belt conveyor housings
- manufacture, design, sale and installation of plastic and steel pipes
- manufacture, design and sale of storm water drainage systems and holding tanks
- design, sale and installation of geosynthetics, such as non-woven, geotextile fabrics, woven, geogrids, geomembranes, and bentonite mats
- sale and lease of temporary bridges
- sale of gabions,
- design, manufacture and sale of three retaining MSE systems

ViaCon Sp. z o.o. is a member of ViaCon Group established in Sweden and Norway in 1986. At present ViaCon Group operates in a dozen or so European countries and belongs to SAFEROAD® Group.

Thanks to the support from the entire group and the possibility of using the shared experience, each member company can offer professional technical consulting and top quality products.

Taking care of our customers and the environment we have implemented an integrated quality assurance system

consistent with ISO 9001:2000 and ISO 14001:2004. The MultiPlate MP200, HelCor®, HelCor PA®, and SuperCor® products as well as the geosynthetics offered by ViaCon have the CE marking.

In order to tailor our offer to the needs of railway infrastructure and to offer them the most recent technical solutions, we actively cooperate with scientific and research centres in Poland and abroad.

To follow dynamic development of railway infrastructure, we made several test of behavior of our products installed

under and over railway lines with a high speed, including static and dynamic load capacity, durability and resistance for stray currents.

Our test confirmed usefulness and reliability for railway installations.



MultiPlate and SuperCor®

Buried flexible steel structures are used for the construction of civil engineering for over 100 years. Steel structures are made of galvanized corrugated steel plates with spans reach 25 m. Structures are simple and easy to assembly. Interaction between steel structures and surrounding backfilling allow to take all kind of loads.



HelCor® and HelCor PA®

Helically corrugated steel pipes HelCor® and pipe-arches HelCor PA® are produced from steel strips with thickness ranging from 1,25 mm to 3,5 mm in two types of corrugation: - D1 - 68 x 13 mm and D3 - 125 x 26 mm. Installation time for HelCor® and HelCor PA® is much shorter than for concrete pipes. Easy and quick assembly helps in limiting time for construction of culverts or other structures and allows to construct culvert in stages without stopping the traffic as well as during winter time. Construction of culverts with the use of HelCor® and HelCor PA® is much cheaper than traditional concrete culverts.



Geosynthetics

Geosynthetics are high durability polymer products which are currently used in civil engineering (roads, airfields, railroads, embankments, retaining structures, reservoirs, canals, dams, erosion control), geotechnical, transportation and environmental. Geosynthetics are versatile and cost effective ground modification materials. In order to fulfill different design functions, ViaCon offers a large number of geosynthetics: non-woven, woven, grids, antyerosion mats, geomembrane, GCL, drainage geocomposites as well as the fiberglass grids for asphalt reinforcement.



Acrow® 700XS®

The Acrow® 700XS® truss bridge system is based on the Bailey bridge system, which is well known around the globe. Advantages:

- quick assembly and disassembly and easy adaptation to local conditions
- possibility of multiple uses in various static and assembly systems
- possibility of assembly and disassembly without any support scaffolding
- small number of different parts with uncomplicated connectors
- inter change ability of identical elements
- easy transport
- full engineering design
- load tested
- structural elements of the bridges are made of high-strength steel and are protected against corrosion by hot dip galvanizing (coating thickness: 610 g/m²).



ViaWall

The idea of MSE systems consist in interoperation between anchoring elements (steel or geosynthetic reinforcing meshes) and engineering backfill. The reaction to the pressure caused by constant and variable loads is a tensile force in the anchoring elements. Adequate selection of the anchorage length prevents displacement of the face. The systems are easy to install, economical and durable thanks to the use of appropriate materials.



PECOR OPTIMA® & Pecor Quattro

Unique structural wall allows to get the optimal stress distribution on the whole pipe length and ensure the proper ring stiffness (SN6 and SN8 for PECOR OPTIMA® and SN8 for Pecor Quattro) on each section. Smooth inside wall of pipes made of polyethylene (HDPE) – PECOR OPTIMA® and polypropylene (PP) – Pecor Quattro, allows to achieve good hydraulic parameters. PECOR OPTIMA® pipes are produced in range diameter DN/ID 200 -1200 mm and Pecor Quattro DN/ID 200-1000 mm.