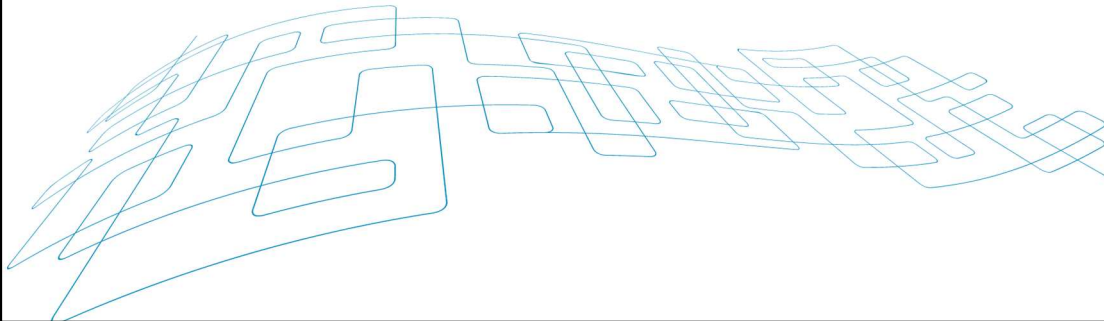


Towards better
Operational Efficiency

smartsolutions

by

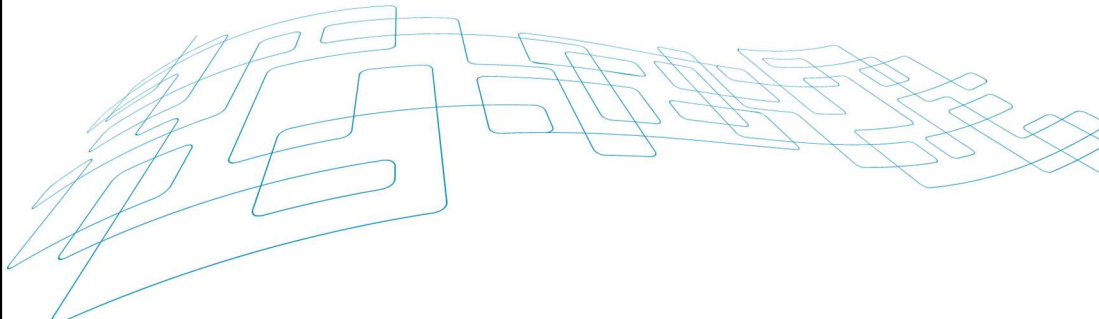
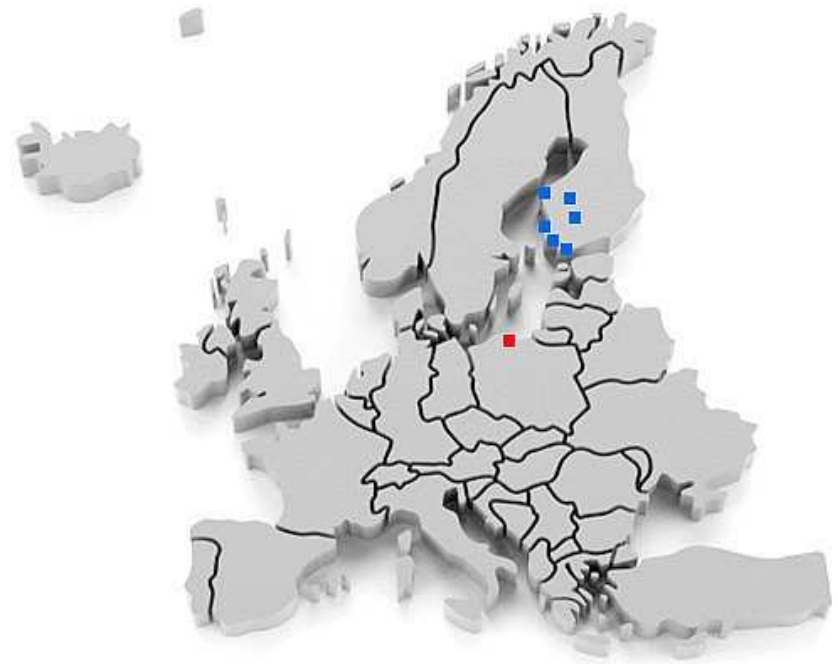
Keskustekniikka



Keskustekniikka

Keskustekniikka Group

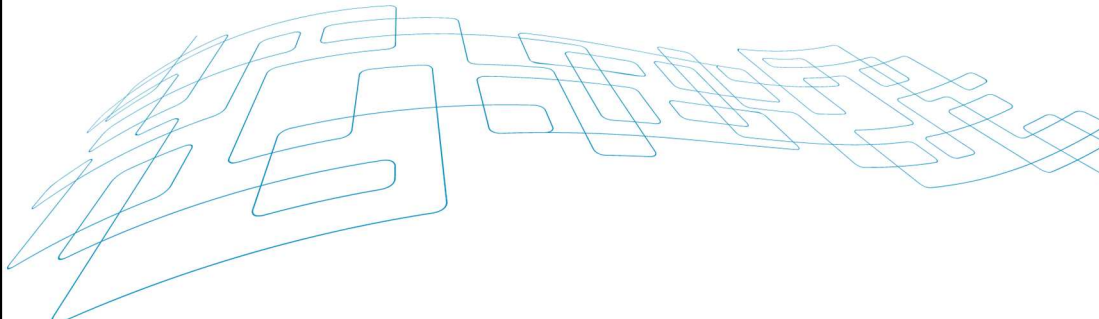
- **Offices and Factories:** Tampere, Kauhava, Turku, Vaasa, Vantaa
- **Subsidiary in Poland:** PMC Sp. z o.o.
- **Employees in Finland 200 persons**
- **Turnover 40M€ (2015) in Finland**
 - Budgeted turnover in Finland 43M€ (2016)
 - Budgeted turnover in Finland 52M€ (2017)



Keskustekniikka

Smart Solutions Units

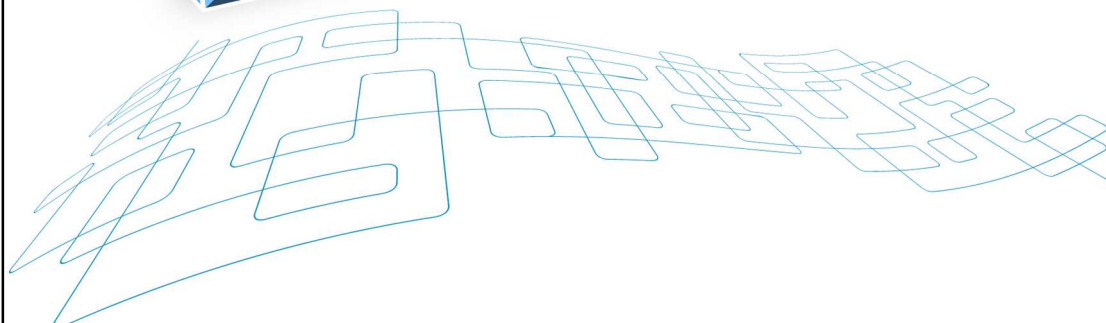
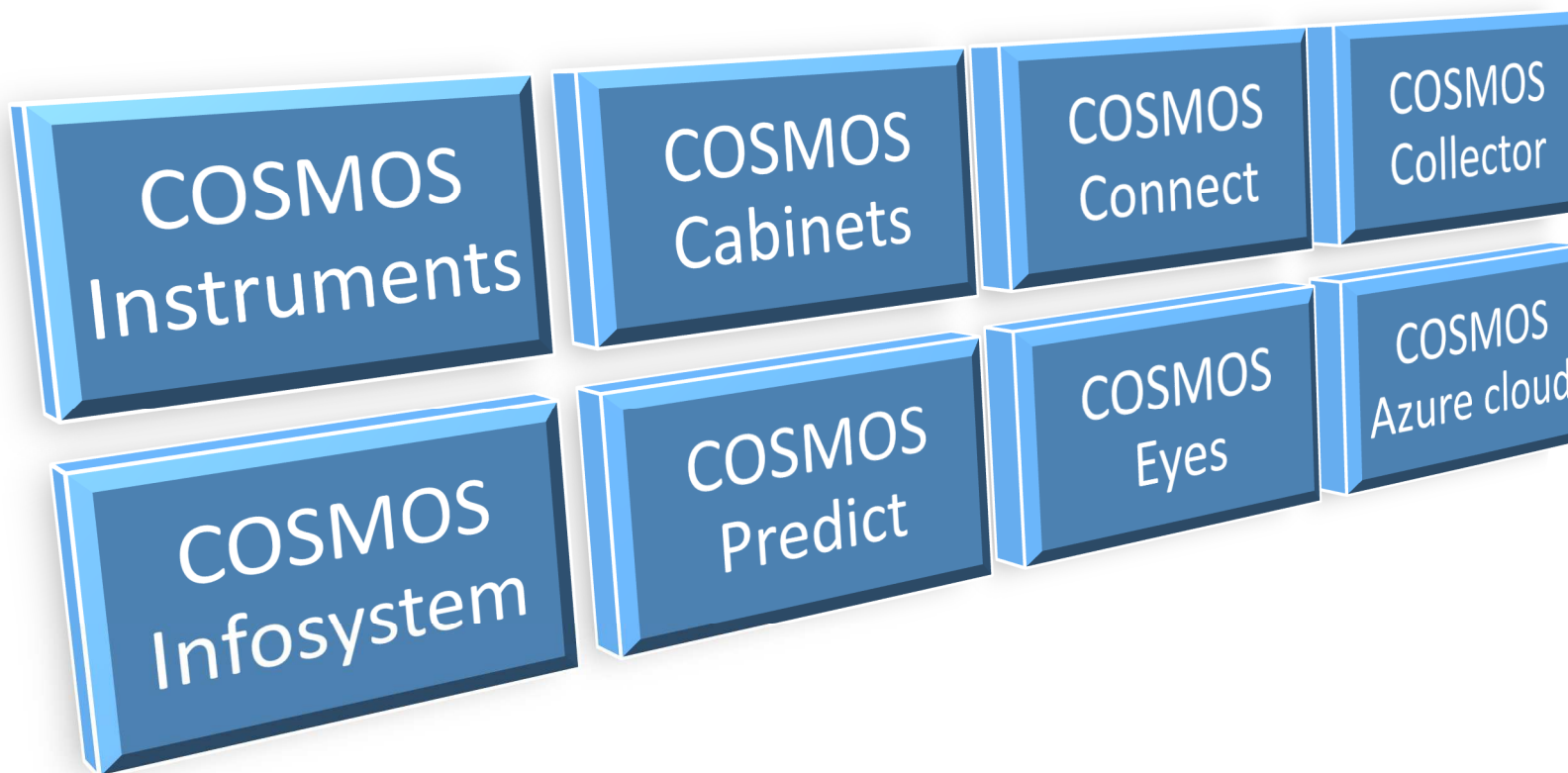
- **Cabinets & Switchgears**
 - ✓ Major Manufacturer in Skandinavia
 - ✓ Marine Cabinets & Switchgears
- **Projects & Lifecycle/Operations**
- **COSMOS**
 - ✓ Product family & Services for industrial internet



Keskustekniikka



product family and services
Enabling industrial internet



Keskustekniikka

Projects/Operations



- Mercedes-Benz A-Class manufacturing by **valmet automotive**

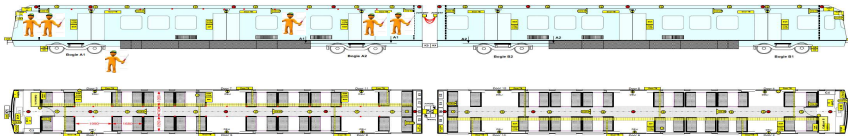


Metsä

Bioproduct mill/wood handling



Wärtsilä UNIC retrofits based on the latest technology



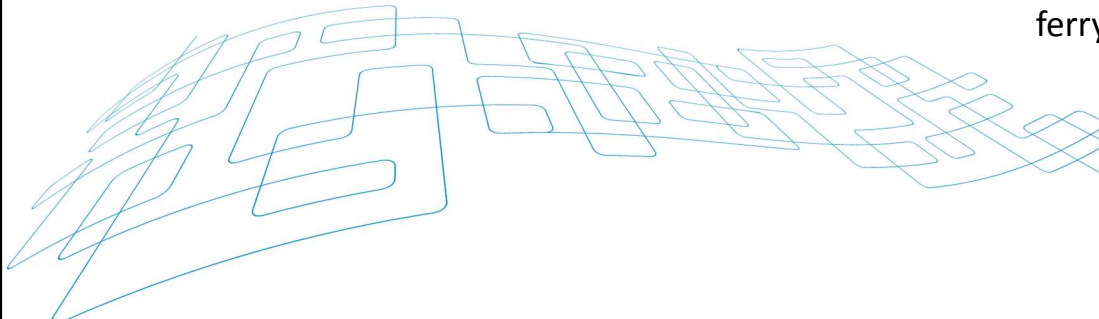
Installation and commissioning for Helsinki metro line. Fully automated line without interrupting operations. 75 automated trains on line

SIEMENS



Liikennevirasto

Total automation & control system (IAS) of two ferry boats. Operating on Finnish archipelago.

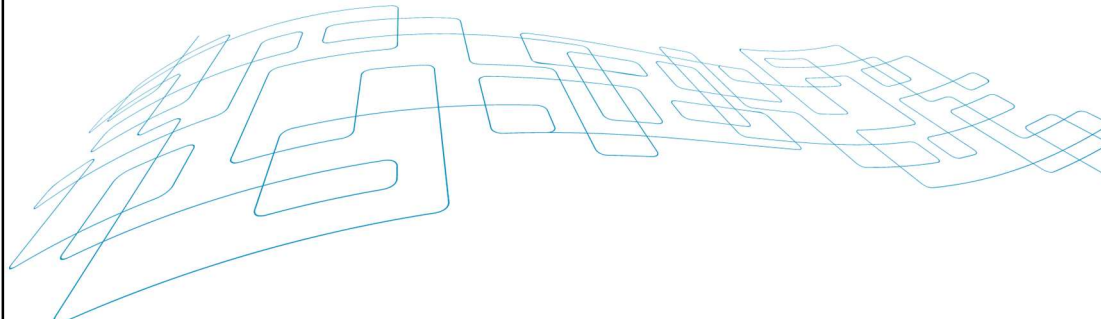


Keskustekniikka

OVO

Cabinets & Switchgears

- OVO Switchgear family
- Cabinets for Drives
- MCC switchgears
- Marine cabinets and starters
- Automation cabinets and application systems
- Robotic cabinets and systems
- Harnesses and cable sets
- Detuned filter capacitor banks and filters



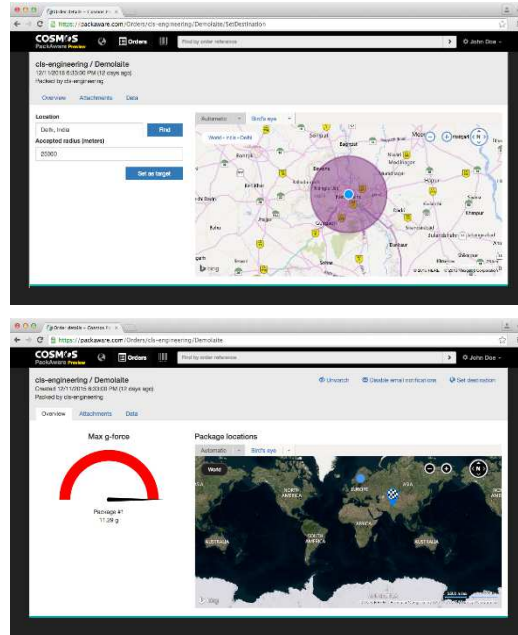
Keskustekniikka

Highlights

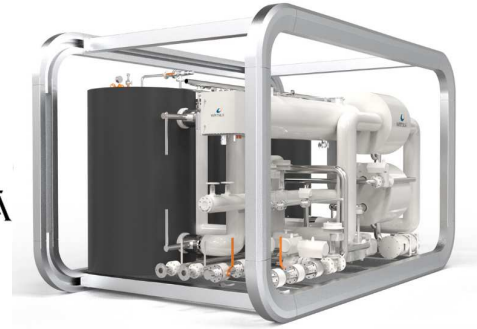


COSMOS
New X10 Collector

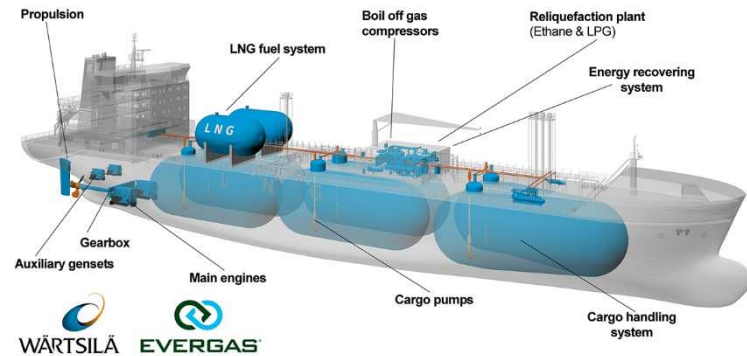
CoCo's logistic device



Refinery Pilot with



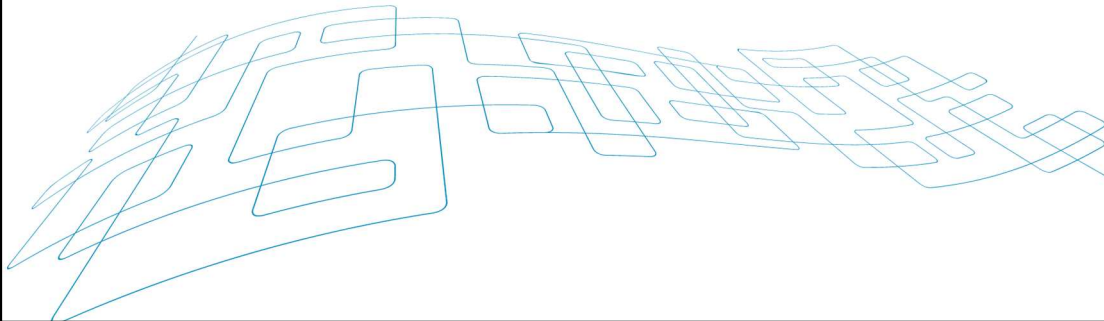
We are supplier of electrification and automation for example of GasReformer, LNGPack and Gas Valve Unit



Keskustekniikka

smartsolutions *Mission*

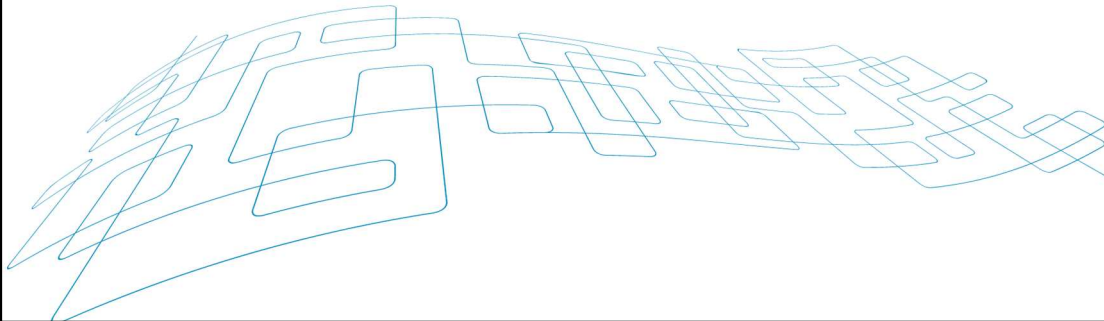
- We focus on our large, selected customers as a broad service provider, continuously strengthening the offering and operations.
- Common mission is to start win battles on global markets with local expertise and deeper level of cooperation.
- Partners can concentrate more on their own core businesses
 - we do our part wider and more efficiently.



Keskustekniikka

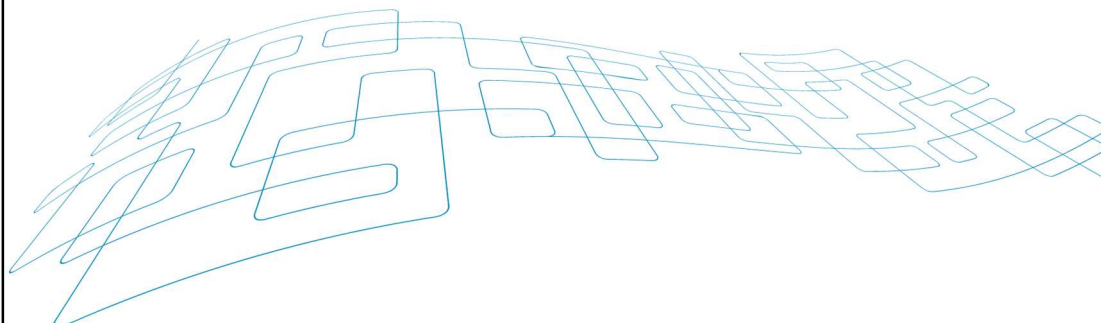
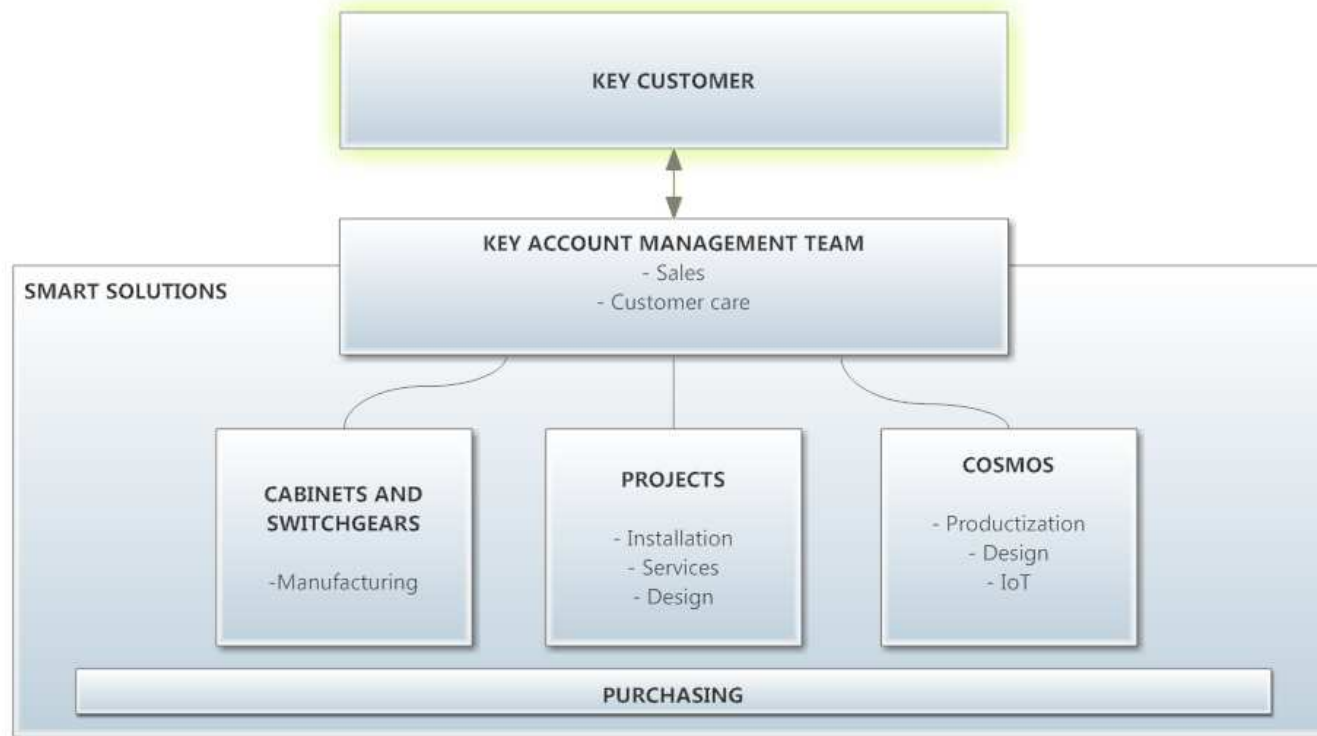
smartsolutions *Offering*

- We are widely known as cabinet and switchgear manufacturer, but the thing that truly differentiates us from the competitors nowadays, is our unique offering.
- Our know-how and expertise covers the whole field of automation - literally from sensor to cloud.
- We can help our customers to remodel their value system by offering them a possibility to:
 - Simplify the chain of supply
 - Leave more basic tasks for trustworthy partner
 - Productize and modularize their offering



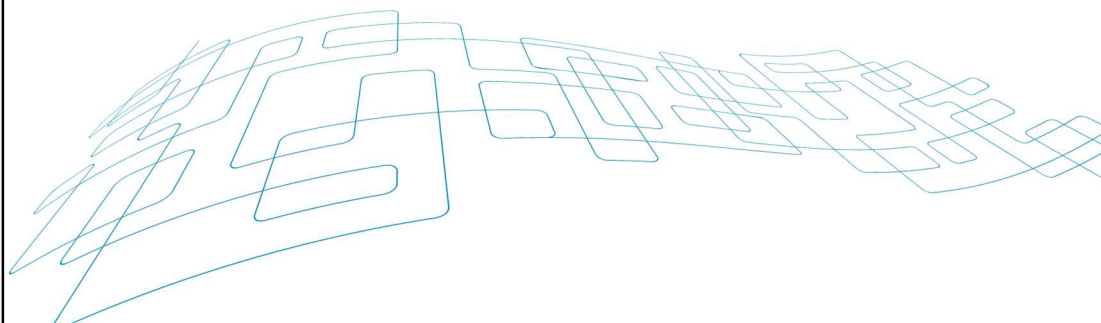
Keskustekniikka

Smart Solutions Offering



Keskustekniikka

Satisfied Contract Customers



Keskustekniikka