

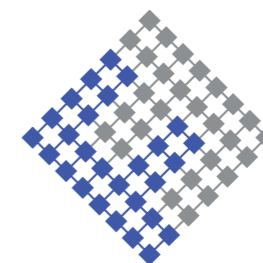
# FIBERNET

## **Fiberoptic division**

Reliable, fast and competitive service.

# Fibernet group at glance

**Headquater:** Ljubljana, Slovenia  
**Workforce:** 52  
**International:** present in 5 countries  
**Export:** EU, Russia, Balkans, Thailand  
**Assembly shops:** 3 assemblies  
(Slovenia  
FBiH and  
Macedonia)  
**Yearly turnover:** 7.2M EUR  
**Markets served:** telecom  
internet  
industry  
energy



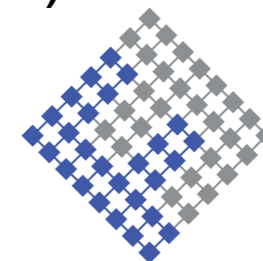
**FIBERNET**

# What we do?

## Fiberoptic assembly largest in Adriatic region



- ▶ Most sophisticated and automated assembly line in the region
- ▶ Manufacturing of fiberoptic pig tails, termination cables in class from 0.10dB till 0.30dB
- ▶ Output volume 23.000 connectors/month
- ▶ Semi-automated assembly line with high quality assurance
- ▶ Manufacturing of special pre-terminated fiber cable bundles (**MasterLine**, **SmartLine**, IFC, etc.)



**FIBERNET**

# Quality assurance

## Quality service and materials hand in hand

We confirm, that the staff of the Assembly-Shop Fibernet, Slovenia has successfully completed the

Huber+Suhner hereby certifies that

**FIBERNET**

**HUBER+SUHNER**  
Excellence in Connectivity Solutions

Certificate

Fiberne FIBER (standar IEC spe

HUBER+SUHNER AG  
Fiber Optics Division  
CH-9100 Herisau, Switzerland  
Phone: ++41 71 353 41 11  
Fax: ++41 71 353 46 40  
www.hubersuhner.com

HUBER+SUHNER AG  
Fiber Optics Division  
CH-9100 Herisau, Switzerland  
Phone: ++41 71 353 41 11  
Fax: ++41 71 353 46 40  
www.hubersuhner.com

**FIBERNET**

SI-1000 Ljubljana, Gm

for the scope of termin SC, ST, FC, LC and M

terminated according t SINGLEMODE LAN-E

fulfills the requirements

This certificate is valid s

Herisau, January 11, 2

*SS*  
Sarah Scherrer  
Sales Support Representative  
Fiber Optics Division

**MASTERLINE TRAINING**

**FIBERNET**

Participated from 26<sup>th</sup> to 27<sup>th</sup> May 2009

**MASTERLINE & M3KP training**

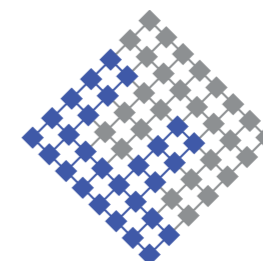
- General features
- Handling of H+S specific tools and accessories
- Mounting of cable dividers
- Contriving fibers and mounting manifolds to dividers
- ML Classic (up to 48 fibers)
- ML Lite (up to 24 fibers)
- ML Compact (up to 12 fibers)
- M3KP cassette mounting

*Loser Roman*  
Loser Roman  
Production Engineering

Excellence in Connectivity Solutions

CERTIFICATE HUBER+SUHNER AG

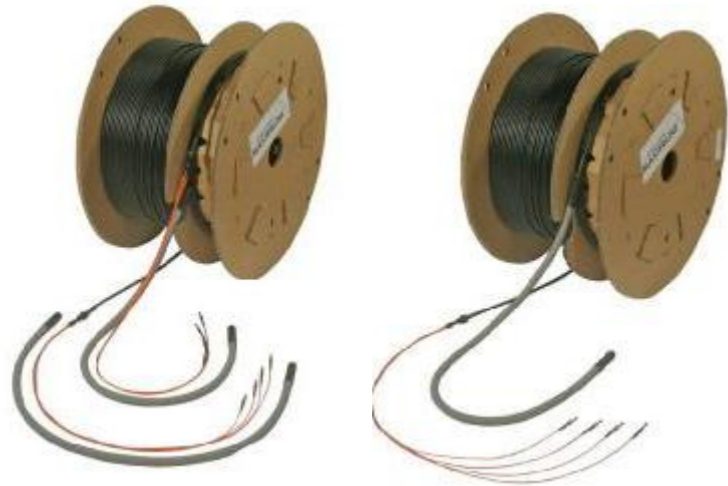
- ▶ Certified according to highest international standards
- ▶ Manufacturing of fiber optic cable bundles for biggest telecom operators in the region, mines and industry
- ▶ Fast response time and adaptability to client needs
- ▶ R&D of new fiber optic products for specific needs



**FIBERNET**

# Fibernet products

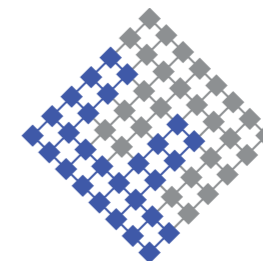
## Prefabricated cable bundles - MasterLine



- ▶ **MasterLine** Classic for complex indoor or outdoor installation
- ▶ 2 to 48 fibers, maximum length to 4000m
- ▶ IP67 waterproof protection



- ▶ **MasterLine** Lite for indoor installation
- ▶ 2 to 24 fibers, maximum length to 2000m
- ▶ Without waterproof protection



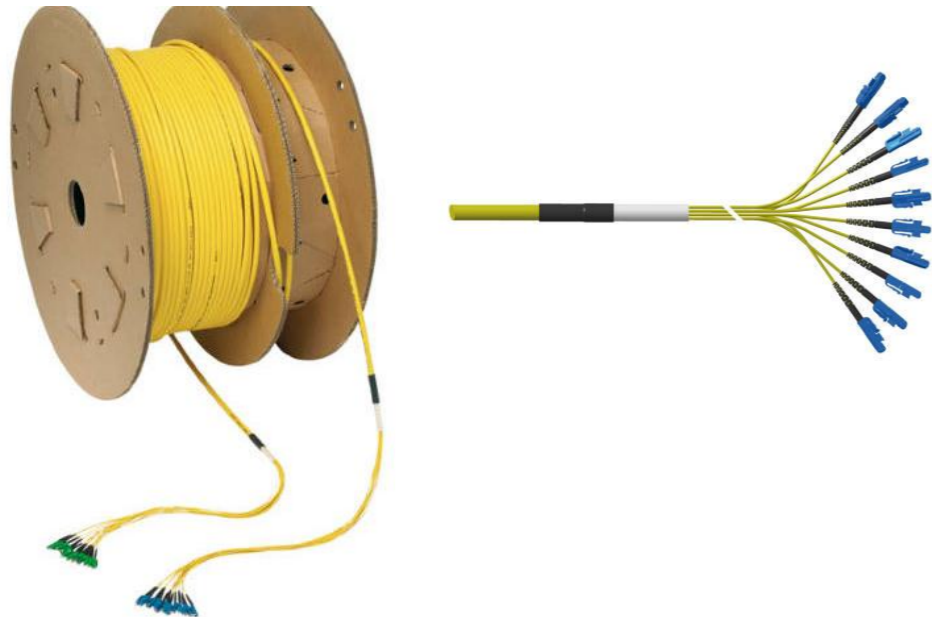
**FIBERNET**

# Fibernet products

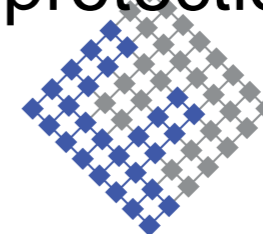
## Prefabricated cable bundles – MasterLine/SmartLine



- ▶ **MasterLine** Quick for wall-mount closets with dividers and bigger distribution systems
- ▶ Installed divider up to 12 fibers
- ▶ Without waterproof protection



- ▶ **SmartLine** Breakout for indoor installation, where high density of connection points are needed
- ▶ 2 to 12 fibers, maximum length to 2000m
- ▶ Without waterproof protection



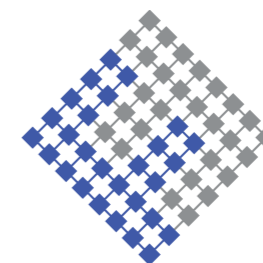
**FIBERNET**

# Fibernet products

## Connection and termination fiberoptic cables



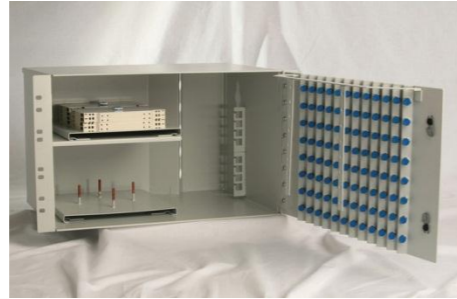
- ▶ Pig tails
- ▶ Different lengths and types of fiber optic connectors
- ▶ Multimode pig tails with ST, SC, LC or MTRJ connectors
- ▶ Singlemode pig tails with SC PC and SC APC, LC PC and LC APC, FC PC and FC APC, LX.5 PC and LX.5 APC, E-2000 PC and E-2000 APC connectors



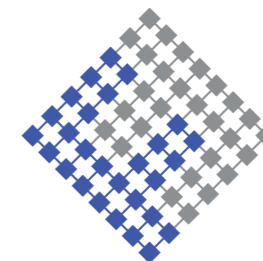
**FIBERNET**

# Fibernet products

## Fiber optic dividers 1HE, 2HE, 3HE etc.



- ▶ Divider composition:
  - body,
  - front panel,
  - fiberoptic junctions or adapters,
  - cartridge cover,
  - small connection material.
  
- ▶ Optional divider composition:
  - fiberoptic cartridge,
  - terminated fiberoptic cables,
  - junctions protector,
  - small connection material.



**FIBERNET**

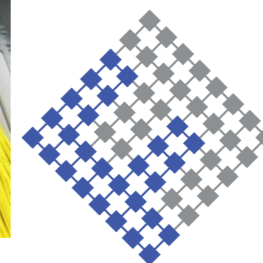
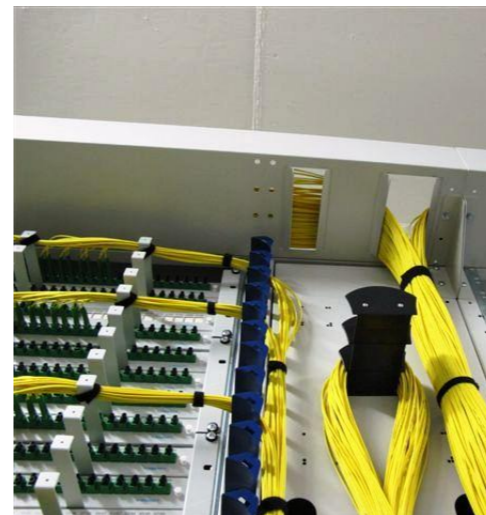
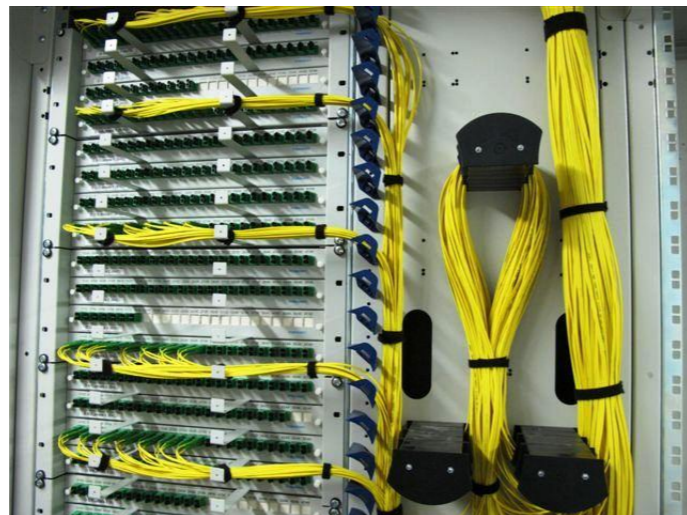


# Fibernet products

## Fiberoptic distribution systems



- ▶ **SISA** – fiberoptic distribution closet
- ▶ Adapted for FTTx projects
- ▶ Capacity of more than 3000 fibers in one closet
- ▶ Easy installation and later upgrade
- ▶ More than 500.000 installed fiberoptic connection points in Slovenia



**FIBERNET**

# Fibernet Group partners

## Strategic alliances



HellermannTyton

CORNING



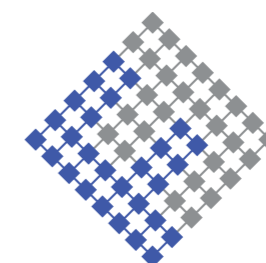
## References

Know-how, high quality level of equipment and services, own R&D and comprehensive services are key factors, where we gained trust of biggest companies and organisations in the region.

Krka  
LEK  
Talum  
Revoz  
Steel factory Zenica  
TAC Skopje  
Makstil Skopje

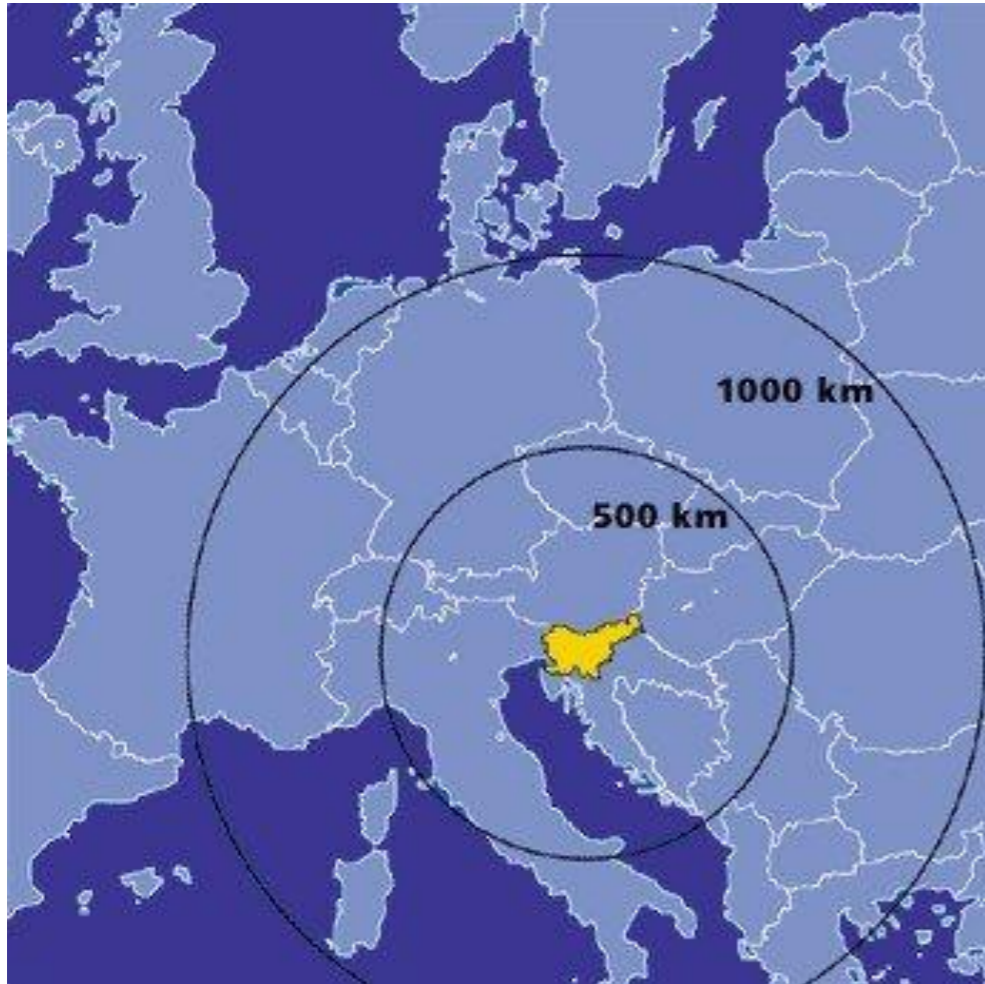
Telekom Slovenije  
Mobitel  
Simobil  
Amis  
IPKO  
Konet  
Makedonski telekom  
Neotel Skopje  
On.net Skopje  
BH Telekom

DARS  
HIT  
Bankart  
NKBM  
Tutonska banka, Skopje  
Banka Slovenije  
MVR Makedonija  
Carina Makedonije



**FIBERNET**

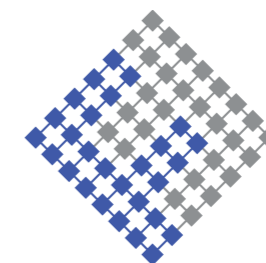
# Facts about Slovenia



- ▶ Population of 2M people
- ▶ Member of EU since 2004
- ▶ High skilled and educated workforce
- ▶ Main export markets are Germany and France
- ▶ Slovenian companies are niche suppliers to big international companies – mainly in automotive sector



- ▶ Unspoiled nature
- ▶ Top turistic destination



**FIBERNET**