



PROFLEX WIRING SYSTEMS

PROMET - GROUP

Promet, with its headquarters in Kirchberg in Switzerland and another production site in Germany, is the specialist in engineering solutions for the energy industry and control technology. At all locations, Promet uses the most modern technologies in production. Innovative concepts and solutions can be implemented efficiently and with minimum cost. Thanks to the latest methods, Promet is able to optimize product features and to reduce the costs of the final product significantly.

PROMET GLOBAL



HISTORY

Since the founding of Promet, enthusiasm for energy and control technology has flowed into our ideas. Thanks to our extensive know-how, we are able to efficiently implement ambitious projects. We rely on the latest technologies in the global production of small and large series.

QUALITY

As a Swiss company, we meet the high quality requirements of the solar, energy and wind power industry as well as those of the machine and railway industry.



SAFETY AND ENVIRONMENT

We have committed to constantly being on the cutting edge of technology. Safety and environmental aspects are paramount in the process.

PROFLEX - WIRING SYSTEM

ProFlex reduces the complexity of switchgears in a unique way, thus saving time, space and cost. The revolutionary wiring system of Promet is modular and can be flexibly adapted to all possible customer needs. Switching cabinet, energy, automotive and building technology are all possible applications for the innovative wiring system. ProFlex does not only fit into all switching cabinets, wall and compact housings, but also reduces the installation and service times considerably. You can save too with ProFlex wiring solutions.

YOUR NEEDS ARE OUR CHALLENGES

PURCHASING

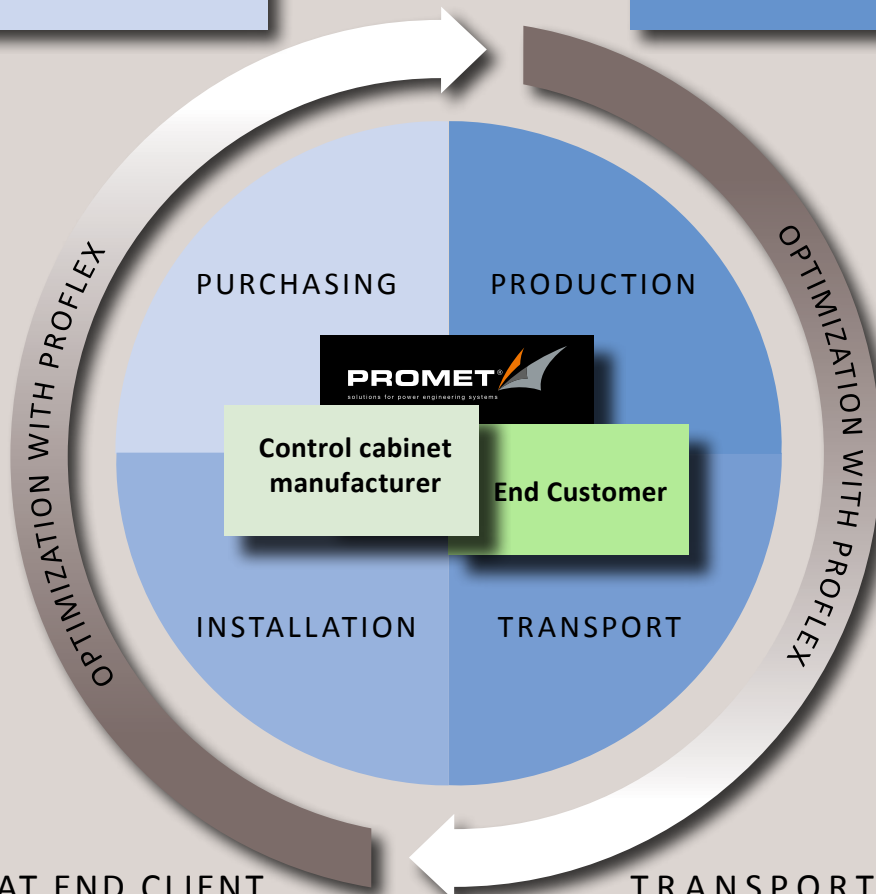
Reduction of:

- Material costs
- Number of suppliers
- Warehouse space and input controls
- Administration expense
- Transport costs

PRODUCTION

Reduction of:

- Wiring time
- Preparation time
- Production area
- Rental costs
- Installation effort



INSTALLATION AT END CLIENT

Reduction of:

- Installation area
- Floor loading
- Rental expense
- Transport costs to the end customer's location

TRANSPORT

Reduction of:

- Transport costs
- Required space
- Weight

USES OF PROFLEX WIRING SYSTEMS

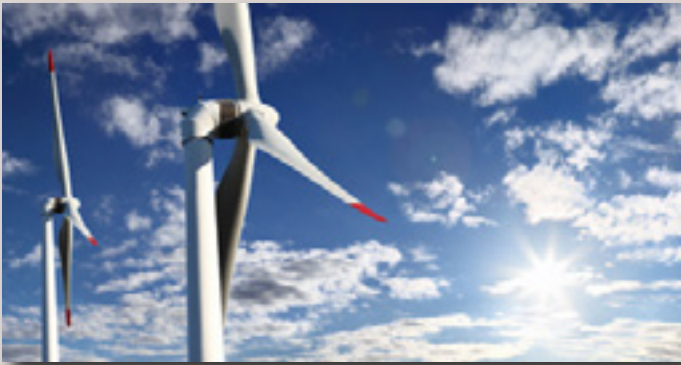
Mechanical engineering



Building technology



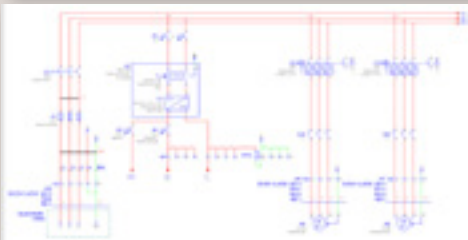
Regenerative energies



Tunnel construction



ENGINEERING: FROM THE TASK TO ITS COMPLETE CONTROL



Costs



Space / volume



EMC



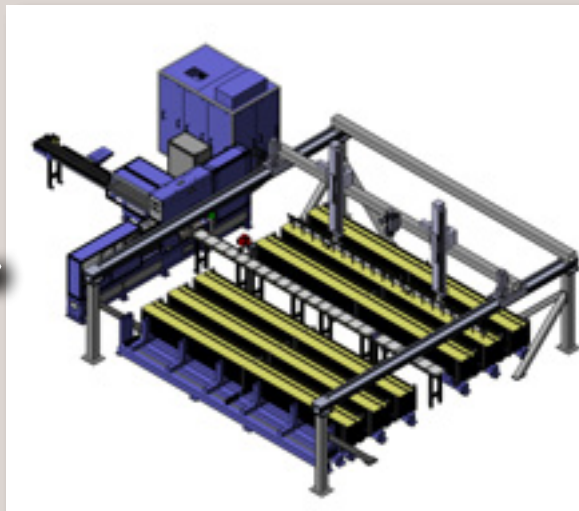
Wiring time



Heating



Standards EN61439/EN60204



CIM-PRODUCTION

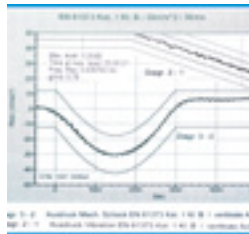
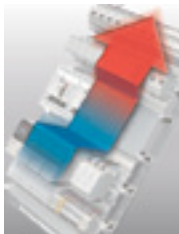
TECHNICAL BENEFITS AT A GLANCE

Engineering

Compact designs and cost savings are daily challenges in control cabinet construction.

We are happy to support you in the following areas:

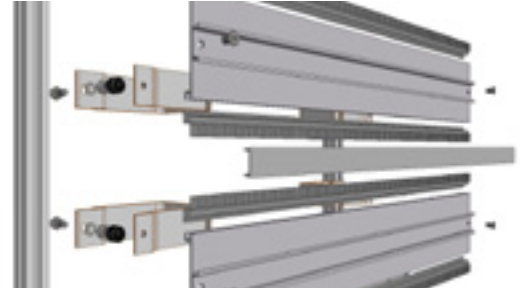
- Planning and project implementation
- Space optimization in the control cabinet
- Cost savings in purchasing and transport
- Electromagnetic compatibility (EMC)
- Optimal control cabinet climate control
- Design with EPLAN



Technology

The assembly of the wiring frame basically consists of three main elements:

- Vertical profiles
 - Horizontal profiles
 - Mounting bracket (insulated > 5 kV) or support
- Due to the sophisticated geometry, maximum stability is ensured with minimal weight (earthquake protection). All plastics used are halogen-free.



Traditional Mounting Plate



ProFlex System



- You save about 40% of the costs and 40% of the required space compared to a traditional wiring with mounting plates.
- You create the assembly plan, including the parts list, with EPLAN and we develop the optimal setup in 2D or 3D for you.
- The system will be delivered to you in a few days as a complete installation frame.

Assembling



Simple and fast erection of the assembly frame thanks to the screwed versions.



Easy installation of the assembly frame in all control cabinets, wall and small housings as well as machine stands.



Simple and quick wiring according to EN60204. The ProFlex system can be wired horizontally or vertically.

Service



Horizontal and vertical pivoting frames allow for an optimal accessibility due to the double-sided structure.



Due to the stranded wires affixed in the wiring combs, the exchange of components in the event of service is simplified considerably.



Subsequent mounting: All components can be subsequently installed or rebuilt on location.

APPLICATION

Mounting in the container

In the area of renewable energies (such as solar and wind power plants), complete containers are increasingly being equipped with the control system.

Promet offers you custom installation solutions for entire container concepts.



Mounting in series cabinets

Optimal space conditions are obtained, for example, with series cabinets.

With ProFlex wiring solutions, you can minimize your required space even further and use a cost-optimized system.



Mounting in floor cabinets

There is a large selection of installation options for standard floor cabinets.

Promet offers you adaptations for Rittal, Eldon, Häwa and Lohmeier control cabinets.

Other control cabinet adaptations by request.



Wall cabinet housing

In industrial building technology, the space for electrical installations is limited.

With ProFlex wiring solutions, you create optimal and space-saving conditions by using wall cabinet housings.



Small housing

For offset terminal boxes, small plastic or cast aluminum housing, our ProFlex wiring system offers optimal installation solutions in the smallest space.



SYSTEM OVERVIEW

Modular system

With the ProFlex modular system, you have new possibilities of control modularity that far surpasses those of previous systems.

Take advantage of a shortest possible downtime of your production plant in the event of service or a breakdown.

- Pre-fabricated and cost-optimized modules
- Freely selectable modular grid
- Replacement of modules in the event of faults in less than 10 seconds



Swing frame system

With the ProFlex swing frame systems, which can be used both vertically and horizontally, we offer you the opportunity to produce even more compact and efficient controllers. Space problems are definitely a thing of the past.

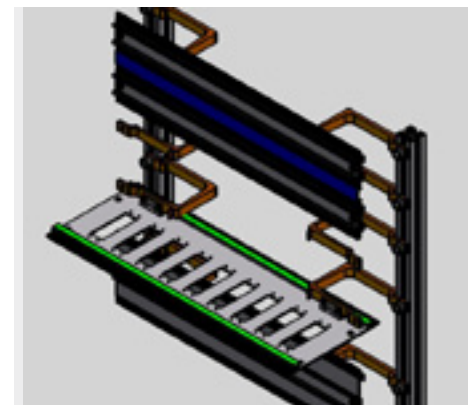
- Horizontal and vertical swing frame system
- Optimal accessibility due to the double-sided structure
- Easy replacement of devices in the event of service



Swing frame system for single profile

With the ProFlex swing frame system for single profiles, we offer you the simplest accessibility. In the machinery industry, pluggable systems are increasingly being used in order to react quickly and efficiently in the event of service. Due to the single frame system for single profiles, the connections are easily accessible and can be connected by means of a plug-in system.

- Simple handling in the event of service.
- Optimized wiring



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OUR EXPERTISE

