



SEALED AS PLANNED

Time-saving cable
transit system for
energy and industry



MASTER DEMANDING ENVIRONMENTS

If you're involved in planning energy and industrial (E&I) facilities, you already know how challenging the conditions and regulations can be. Protecting these enormous investments and their occupants from hazards like explosions or water ingress will always be a mammoth task, but with the right resources we can help you to minimize risks, time and costs from the very beginning.

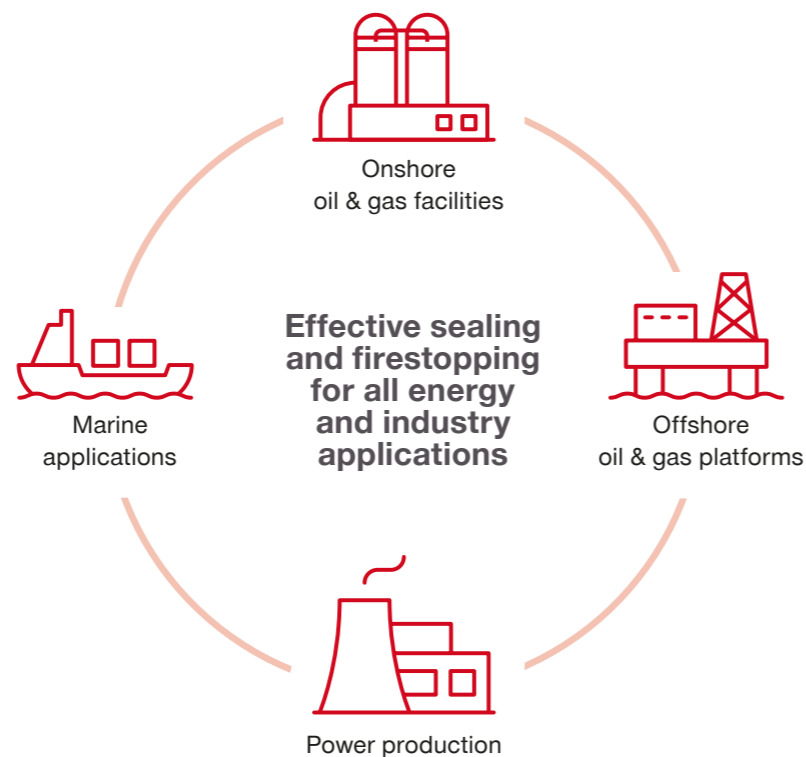


PROTECT YOUR SURROUNDINGS

From substation buildings to sensitive monitoring devices, modern E&I facilities depend on a lot of high-tech – but vulnerable – equipment. Protecting it from damage is essential not only for smooth operations, but also the safety of staff.

Many hazards are easily overlooked – especially cable/pipe penetrations in walls and floors. These countless, small gaps are enough to allow smoke, flames and toxic fumes to spread. To meet the industry's uncompromising safety standards, it is imperative that you include service penetrations in your passive fire protection strategy.

Hilti cable transit systems may offer you a workable, high-performance barrier against water and explosions for use around cable and pipe penetrations. They have been specially engineered for the unique challenges presented by energy and industry projects.

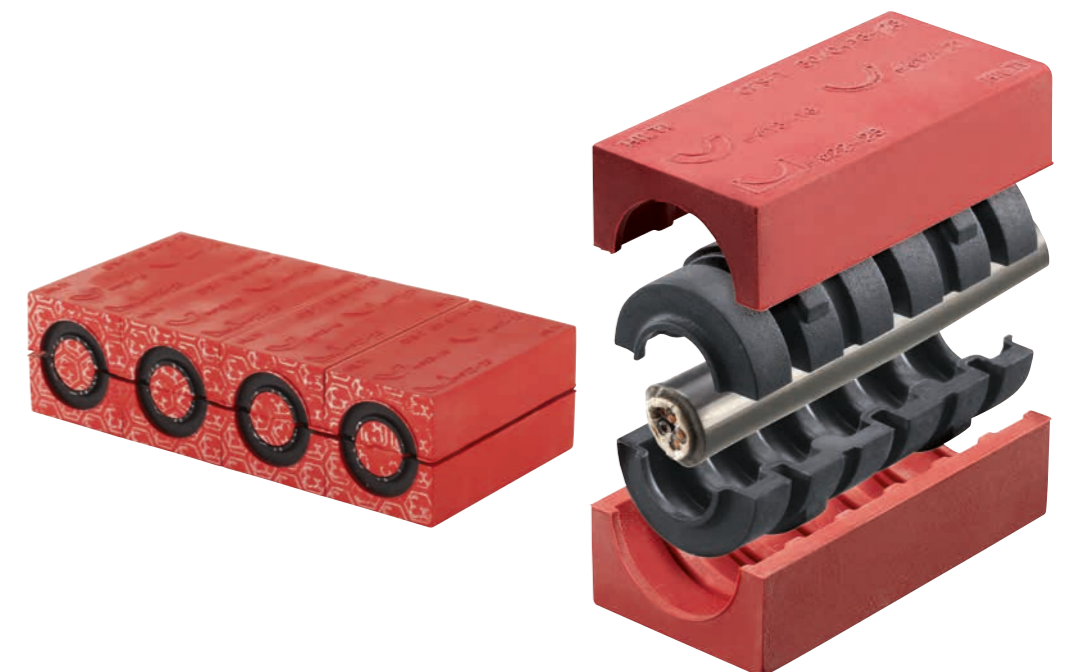


CUT YOUR COSTS

Our multi-cable transit (MCT) systems are practical, high-performance solutions for sealing and passive fire protection of cable and pipe penetrations.

They consist of fire-, water- and gas-restricting interlocked modules and adapters, which can help to achieve the required fire protection for both rectangular and round openings.

The modular concept was designed with a clear focus on time-saving installation and inspection: Only 7 different modules are needed to cover cable diameters from 3 to 99 millimeters. Together with re-usable color-coded adapters, this helps to keep your inventory to a minimum and makes retrofitting easier than ever.



BOOST YOUR PROJECTS



Tight margins and strict schedules make driving productivity a top priority for every project in the energy and industry sector. Adaptable, easy-to-inspect systems and inventive planning software help you keep specification, installation and documentation running smoothly.

SEAMLESS PLANNING

Design faster

The free PROFIS planning software helps you save time and costs and achieve highest safety standards right from the very beginning of your project.

It lets you calculate, select and optimize firestop solutions according to your specific requirements. Accurate bills of materials in PDF format let you know your budget early.

Use existing 3D models

You can effortlessly incorporate our systems in your AVEVA PDMS and EVERYTHING3D™ models.

With our 3D library, you may ensure critical items are integrated in the model early enough for the civil work to begin. You benefit from clash detection and receive an accurate bill of materials with the click of a button.

FAST INSTALLATION

Remain on track

Benefit from up to 30 % time saving with the interlinked Hilti modules compared to single cable transit modules, especially for cables running through floor openings.

Eliminating complex and tiring steps helps to keep installation progress predictable and on track.

Reduce risks

PROFIS generates color-coded cable layout plans for each cable transit, including module and adapter sizes – giving your installers a clear, methodical way of working.

This can help to significantly reduce the risk of installation errors and save even more time on site.

EASY INSPECTION AND MAINTENANCE

Simplify inspection

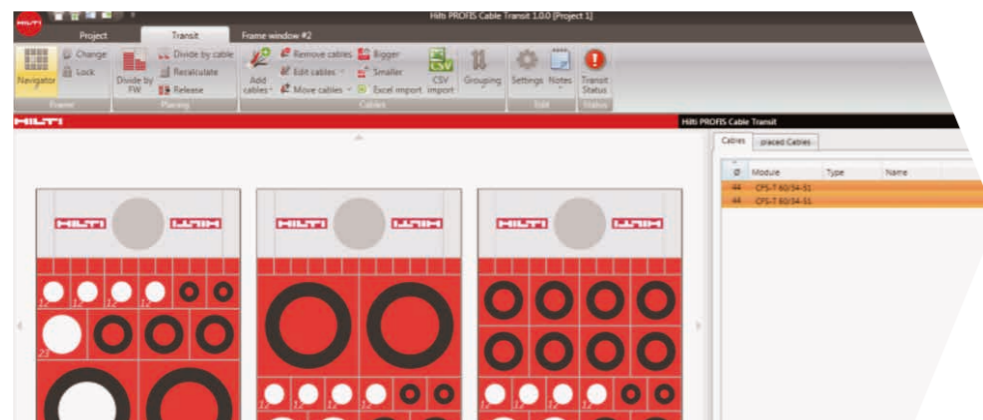
Color-coding makes inspecting firestop installations quicker and easier.

With a quick glance, third-party inspectors can compare the adapter colors to the detailed design plan of each transit, and verify that the right type of cable module has been installed.

Stay flexible

Exchangeable and re-usable adapter modules allow quick and easy retrofitting of additional cables at any time, also with different cable diameters.

Future changes are as simple as loosening the wedge with one single bolt and adjusting the modules as needed.



SET YOUR MIND AT EASE

Supervising work from afar is always a challenge, but when your project is an offshore oil rig or maximum-security power plant, routine inspections become a major undertaking. To shoulder some of this burden, Hilti offers on-site training and advice for firestop installers – so you can spend your time driving the project forwards. Third-party approvals, including UL, ETA and Lloyd's Register Marine as well as ABS and DNV-GL, help give you peace of mind that the finished installation can perform as specified.



TESTED AND APPROVED





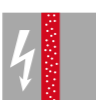
The world's leading certification bodies and a wide range of local approvals confirm that our cable transit solutions reliably protect from fire and resist water and gas pressure.

Our cable transit systems, which use halogen-free elastomeric cable modules, can provide a fire rating of up to 4 hours. The systems have been tested for use in ambient temperatures from -40 to 50 °C, both indoors and outdoors, including UV and rain exposure.



Disclaimer:
Please refer to product catalogue and relevant approval(s) for product- and application-specific performance claims.

READY FOR ROUGH CONDITIONS

- 
Water resistance
 Tested up to 4.5 bar pressure for water tightness in accordance with applicable standards.
- 
Gas resistance
 Tested up to 3 bar pressure for gas and air tightness in accordance with applicable standards.
- 
Blast resistance
 Tested and remained in good condition after being subjected to air blast loading up to 42 bars.
- 
Mold and mildew resistance
 Rubber components tested according to ASTM G-21 determining the effect of fungi, receiving a rating of 0. Therefore, they can be considered mold- and mildew-resistant.
- 
Electromagnetic compatibility (EMC)
 EMC product lines designed and tested to act as an electromagnetic shield at specific frequencies.

AT YOUR SITE

Our global Energy Team consists of more than 1,400 specialized engineers worldwide who support you during all phases of your energy and industry projects. You can call on them to help solve your firestop engineering challenges – no matter where, no matter how complex, they may be.

As with virtually everything on jobsites, firestop planning can never start too early: Even while you're in the design phase, our experts can provide technical guidance which helps to keep the project running smoothly towards handover. Our Energy Team visits jobsites all over the world, helping to design efficient and compliant solutions for each project's unique specifics. They consult installers on which passive fire protection details require particularly close attention to prepare for an efficient inspection process.





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