HAWKE | Transit System

WWW.HAWKE-HTS.COM

COMPANY & PRODUCT PRESENTATION

FERNÁNDEZ JOVE group

HAWKE | Transit System

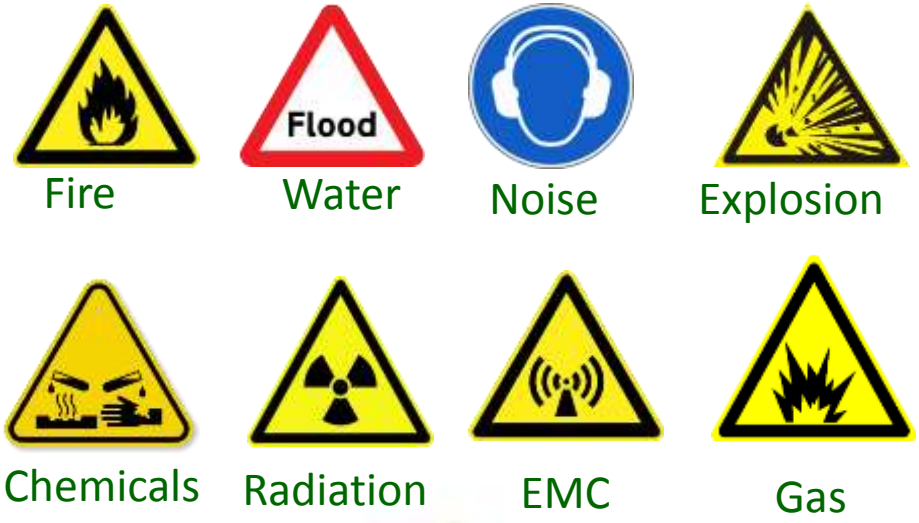
FERNÁNDEZ JOVE grupo

Hawke Transit System (HTS) was created in 2005 when Fernandez Jove Group acquired the company from Hawke International, after years of distribution and support in; engineering, manufacturing and installation.

Hawke Transit System products ensure the highest level of performance for both cable and pipe sealing within a wide range of applications and industries.

WHAT DOES THE HAWKE SYSTEM PROTECT AGAINST?

HTS cable and pipe sealing systems guarantee the integrity of a wall, deck or bulkhead in which cables and pipes pass through. The system inhibits against a wide range of hazards to protect both life and assets.



Product HAWKE TRANSIT SYSTEM

CERTIFICATIONS

The **HAWKE TRANSIT SYSTEM** is accredited by Lloyd's Register LRQA according to the UNE-EN-ISO 9001: 2000 standard and complies with the European Directive of Marine Equipment MED 96/98 / CE for the production of the sealing blocks under the B + modules D.

The **HAWKE TRANSIT SYSTEM** increases the safety of the structures where it is installed and can be easily inspected, thus minimizing the risk of being incorrectly installed.

In addition, thanks to its ease of installation and the fact that it does not generate waste, it reduces installation time while reducing costs and maintaining the safety and integrity of the system.

WHY USE HAWKE TRANSIT SYSTEM?

- Safety
- Total inspectability
- Flexibility
- Speed of installation
- Cost reduction
- Quality and certifications
- No waste material

SEALING SYSTEM HTS

HAWKE | Transit System

The **Hawke color-coded block** system provides a complete inspection even after the assembly has been completed.

HAWKE is the only system that offers this feature.

On each of the two exposed faces of the block, the minimum and maximum diameters are clearly marked.

This indicates the specific sealing range of the block size.

WITHOUT COLOR CODING IT IS IMPOSSIBLE TO DETECT THE WRONG ASSEMBLY.

SEALING SYSTEM HTS

ADVANTAGES

- A much **better grip** onto the cable or pipe.
- **4mm of compression** without any onsite modifications.
- Over **50% quicker** to install tan “peel-off” blocks.
- **No modifications to the blocks** means that the installer just has to match the two corresponding coloured halves.
- The min. and max. sealing **range (mm) is marked on the block** faces.
- No onsite modifications also means that there is **no waste material** to dispose of.
- A **correct seal** on cables with an inconsistent outer diameter and cables that are not completely circular.
- **Much better performance** with cables with Sharp vending radius.

SEALING SYSTEM HTS

- System that includes endpacker (in 3 pieces) + compression plate.
- This system applies a high pressure that guarantees the deformation of the plugs, which provides a correct seal.

STANDARD SYSTEM HF

CIVIL FRAMES

Manufactured in angular 60 x 60 x 6 mm, the civil frames are designed for installations in civil environment, where they are installed screwed or embedded in walls, ceilings or floors.

HCX

HCOX

STANDARD SYSTEM HF

MARINE FRAMES

Manufactured in 60 x 10 mm plate, the marine frames are designed for installation in the naval field, where the installation is usually made welded.

The thickness of the material and its high manufacturing quality ensure a high resistance against external hazards.

The most common models are the HMX, HMFX, HMFBX and HMCX.

HMX

HMFX

HMCX

HMFBX

STANDARD SYSTEM HF

MARINE FRAMES REINFORCED

The reinforced marine frames of HTS are designed for special applications, such as:

- Areas of high structural stress
- Areas where elevation is necessary
- Areas where double sealing is needed

The most common models are the HMBX, HMEX and HMRX

HMBX

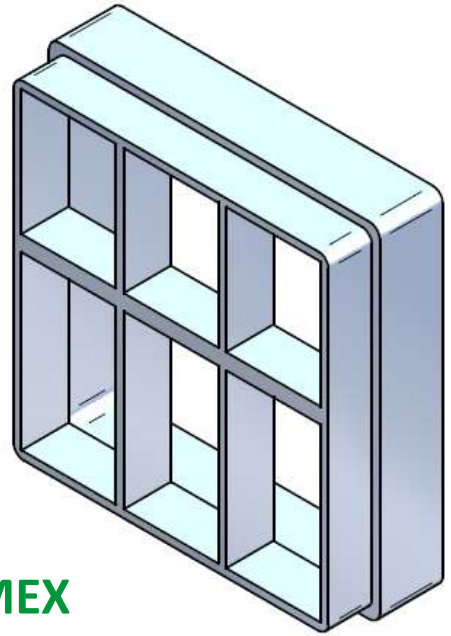
HMEX

HMRX

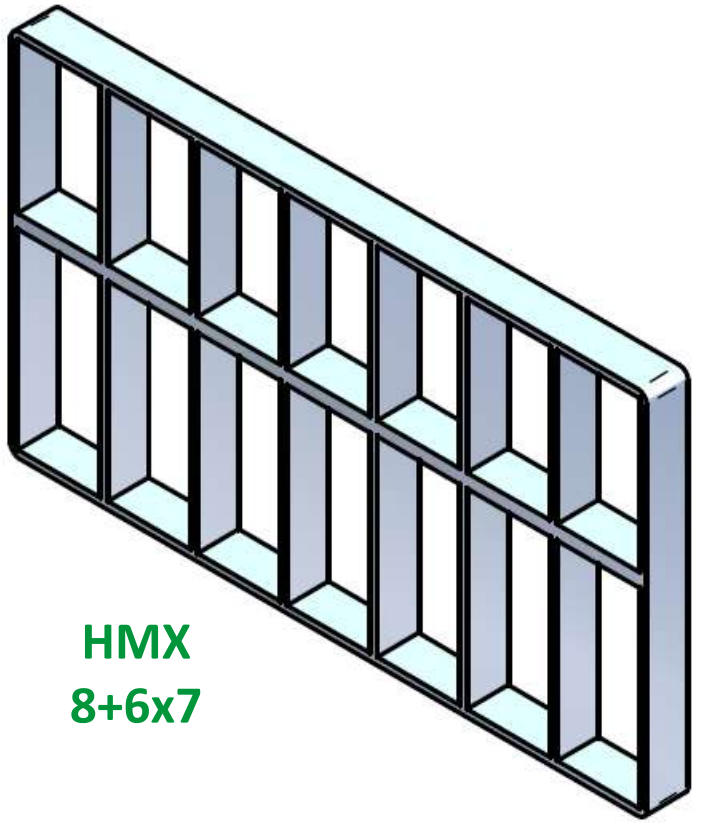
STANDARD SYSTEM HF

SIZES COMBINATIONS

Frames can be constructed as combinations of different windows, to make frames of large size and weight.



HMEX
6+4x3



HMX
8+6x7

STANDARD SYSTEM HF

ROUND TRANSITS - SLEEVES

The sleeves are the first element in a circular seal.

They serve, like the frame, to contain the system and contain the pressure exerted on the inside.

- **Marine Sleeves**

  C bushes

- **Civil Sleeves**

  CB bushes, CBO, CBC

C

CB

CBO

CBC

STANDARD SYSTEM HF

ROUND TRANSITS - HRTO

The **HRTO** system has been designed by Hawke to effectively seal cables and pipes that pass through circular openings.

Being open systems, they can be installed once the cables are already in position

The seal is formed by tightening the compression bolts that expand the system radially.

It is easily installed without the need for specialized personnel and does not require special tools for installation.

The integral extraction of the installation allows modifying the wiring.

STANDARD SYSTEM HF

ROUND TRANSITS - HRST

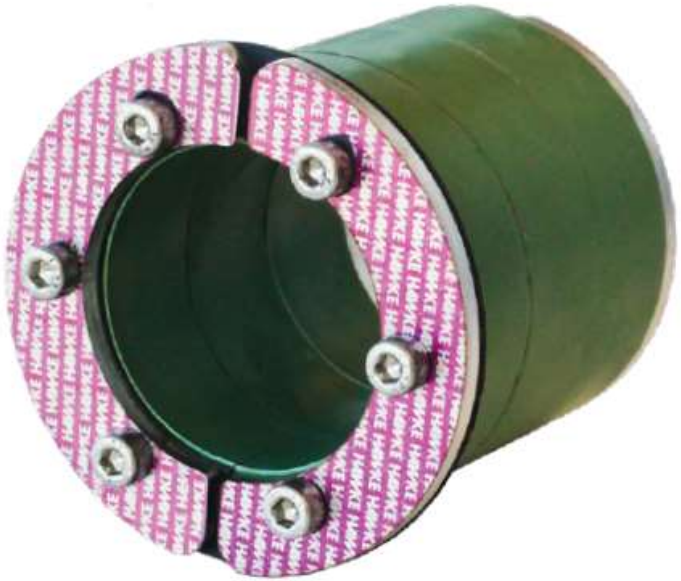
The **HRST** is a **ROUND** sealing system for a single cable or pipe.

Like the HRTO, it is supplied as an open system, so it is very easy to install and can be used once the cable / pipe is already in position.

The sealing range is much wider than for standard systems, since no studs are used and sealed directly with the HRST rubber.

Each size of the HRST frame can seal a wide range of diameters without modifications to the installation.

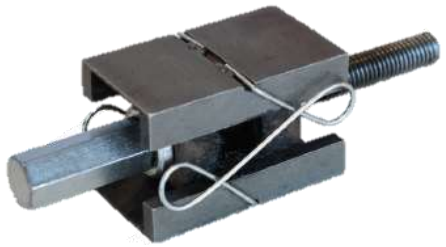
The color code allows you to easily identify references and prevent or correct errors in the installation.



STANDARD SYSTEM

INSTALLATION ACCESSORIES

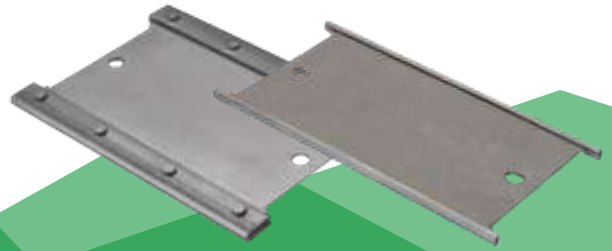
COMPRESSION TOOL



PULLER

WELDING TOOL

STAYPLATES



LUBRICANT

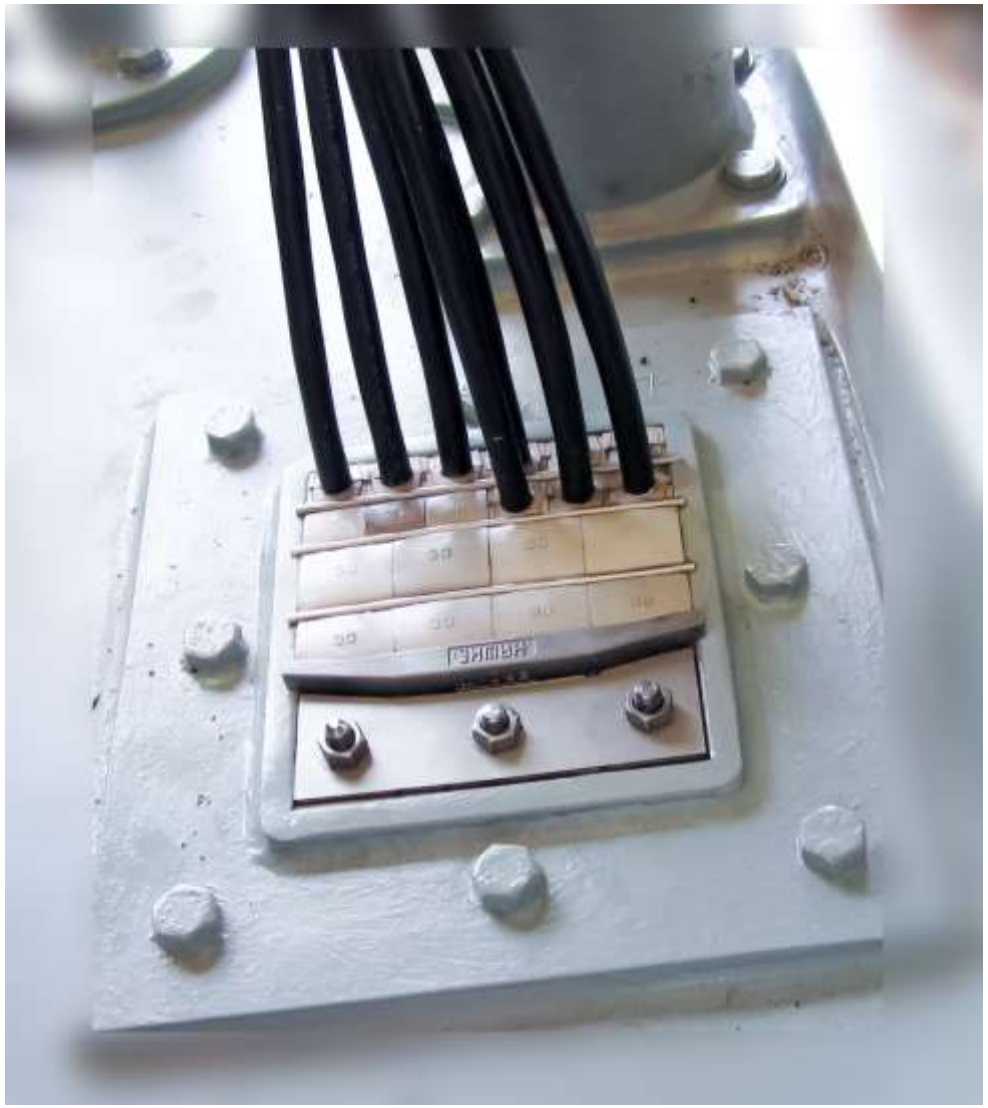
CLAMP TOOL

ELECTROMAGNETIC COMPATIBILITY

EMC SYSTEM

This is the term used to express the ability of electronic equipment or systems to operate satisfactorily in a given environment without responding to electrical noise or emitting unwanted noise.

Electromagnetic compatibility is achieved by reducing electromagnetic interference (EMI) to a level that in most applications does not disturb the proper functioning of the electronics



ELECTROMAGNETIC COMPATIBILITY

EMC INSTALLATION

The installation of the EMC system is different from the installation of standard frames and studs.

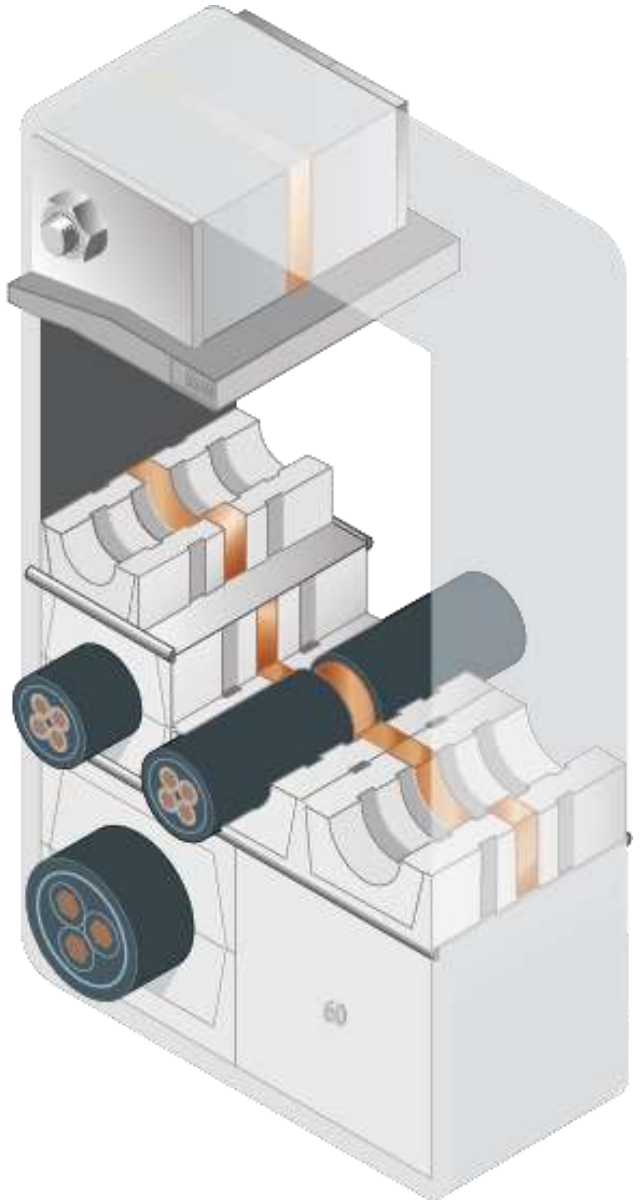
The outer sheath of the outer cable must be removed where the copper strip contacts the taco

The exposed mesh will then need to be wrapped with the Hawke copper tape back to the original diameter of the cable.

Once completed, the cable will be installed in the plug in the normal way.

Our EMC system is much easier to install than the equivalent products of our competitors.

A stainless steel or aluminum frame should be used to make the ground, the painted steel would act as an insulator.



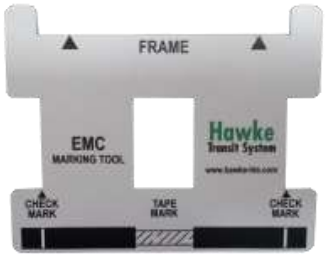
EMC PRODUCTS

EMC BLOCKS

EMC COMPRESSION SYSTEM

EMC HRT

EMC CABLE SHEATH REMOVE TOOL



EMC MARKING TOOL

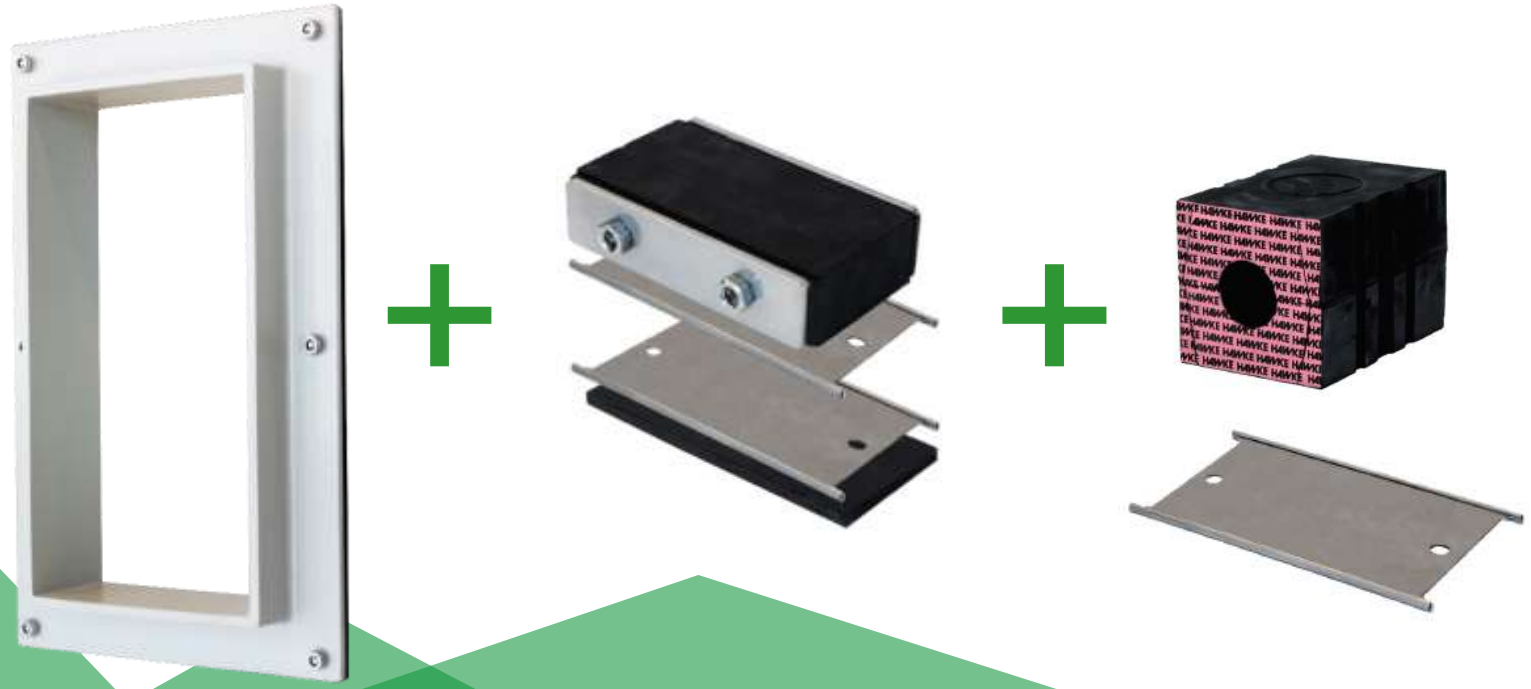
EMC COPPER TAPE

CABINETS / ELECTRIC SWITCHBOARDS

H-DM SYSTEM

Following the same design as standard **HAWKE** systems, the **DM system** uses lighter modules.

This, together with the DM compression system and the aluminum frame, helps not to increase the weight of the frame or cabinet.

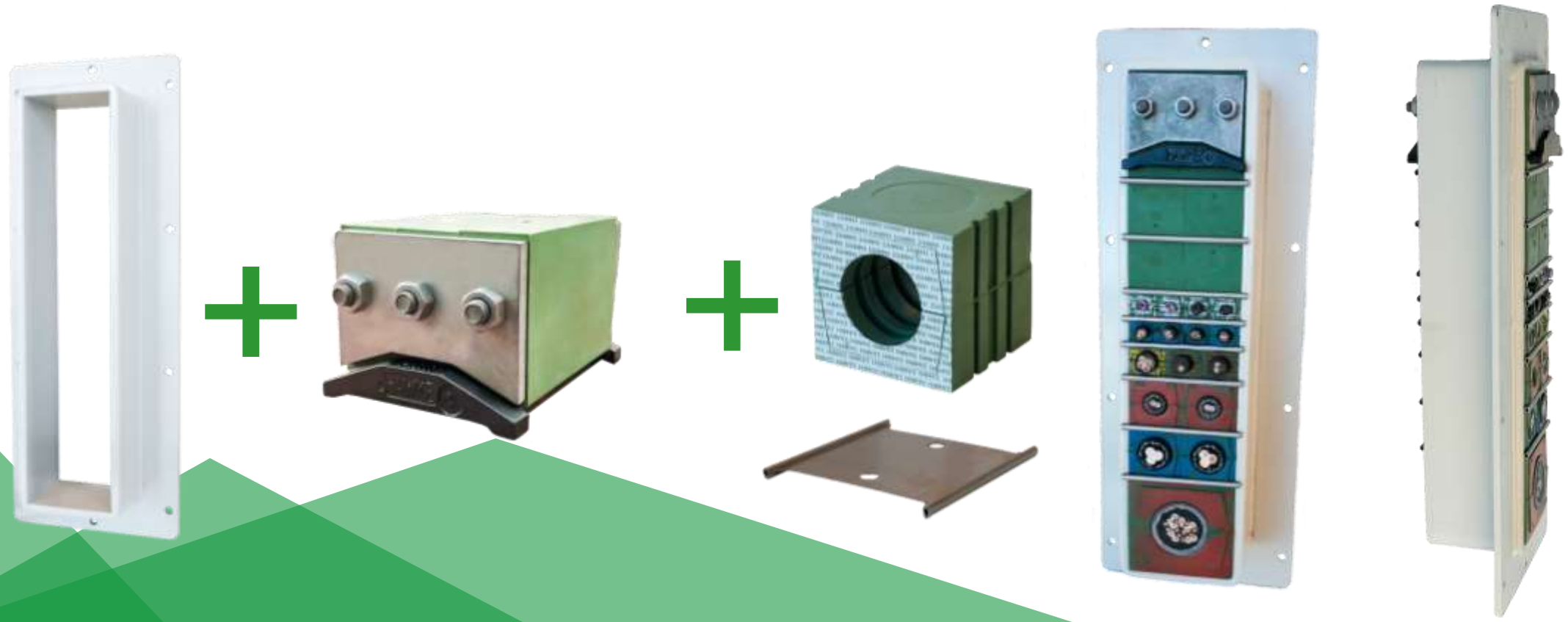


CABINETS / ELECTRIC SWITCHBOARDS

H-HC SYSTEM

Following the same design as standard Hawke Cabinet Seal, the H-HC system is designed for electric boxes and cabinets with low dimensions.

This model of frame is manufactured with flange of 5 cm. This flange can be placed centered on the frame. Available in two standard sizes with 60 and 120 mm width (internal).



HAWKE | Transit System

HAWKE DESIGN AND INSTALLATION

FERNÁNDEZ JOVE group

FJ | Integral Supply

SAVAL | Marine Valves

BURNETTS | Testing Development Production

DESIGN AND INSTALLATION

PHASES

Phases in sealing cable transit

DESIGN

Engineering

Hawke Design Software

INSTALLATION

Installers

INSPECTION & LIFECYCLE

Inspectors

DESIGN AND INSTALLATION

DESIGN SOFTWARE - HDS

IN

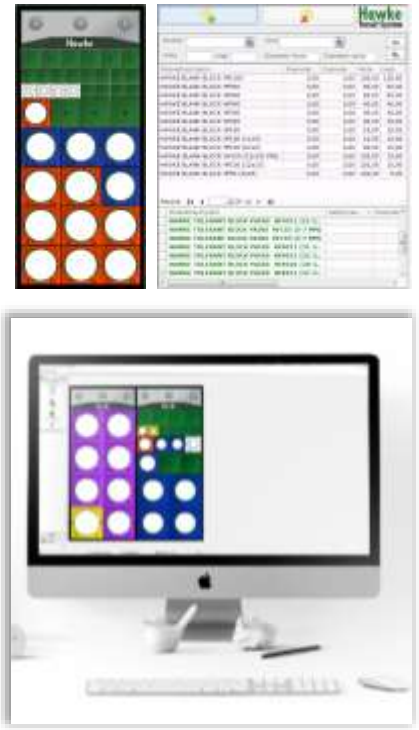
Excel FORAN

CABLES INFORMATION

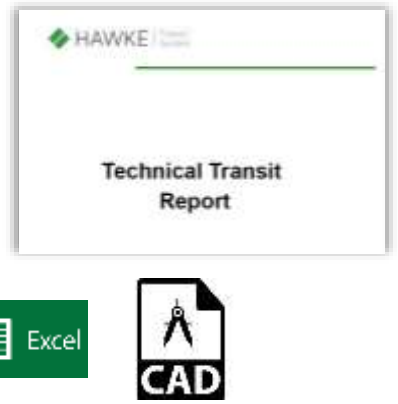
RESTRICTIONS FOR FRAMES

NAME AND POSITION OF TRANSIT

% RESERVATION OF THE TRANSIT



OUT



PDF Excel CAD

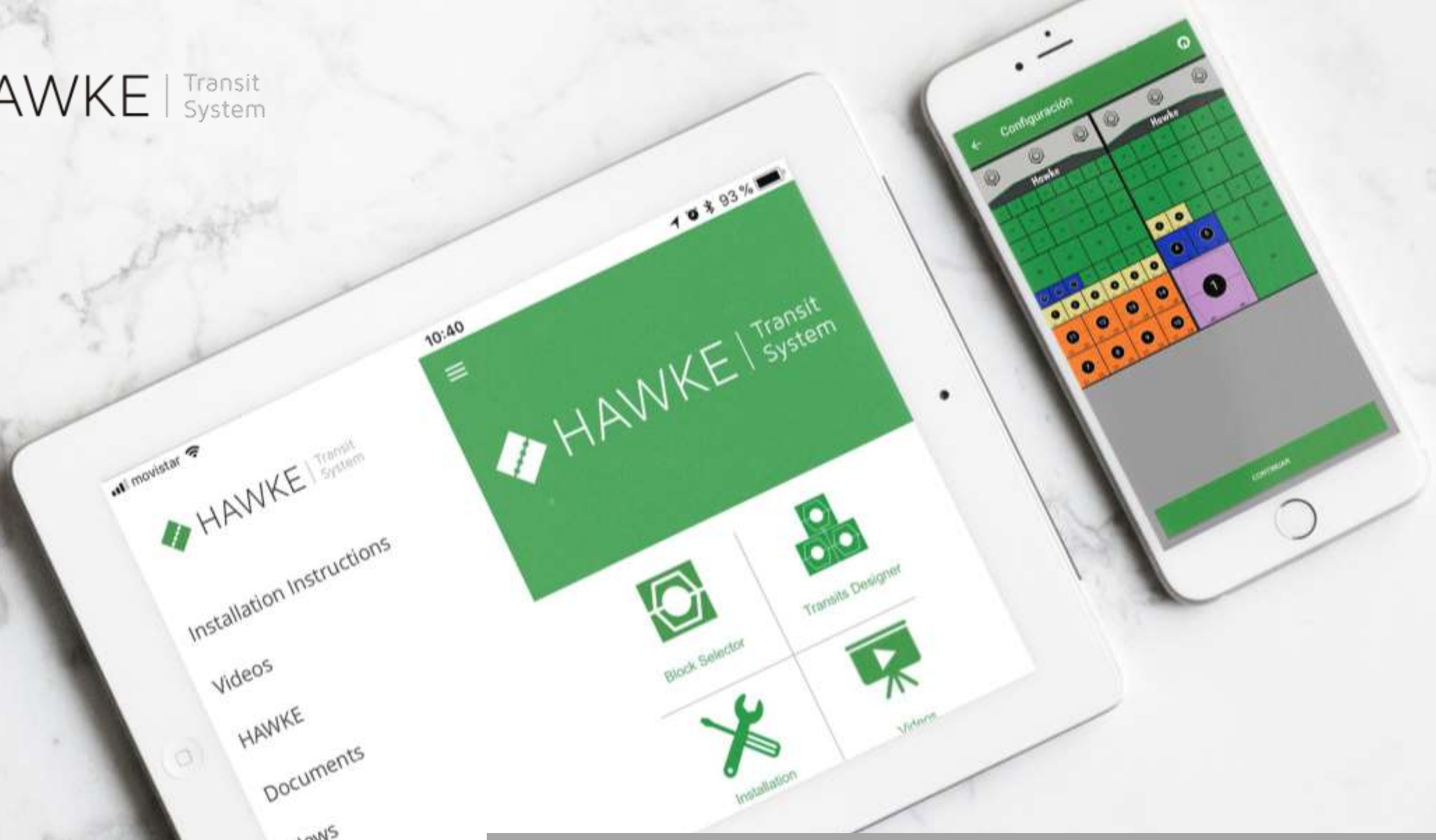
MATERIAL LIST

INSTALLATION INSTRUCTIONS

% OF SATURATION

PROJECTS REPORTS

HAWKE | Transit System



HAWKE DESIGN AND INSTALLATION

FERNÁNDEZ JOVE group

FJ | Integral Supply

SAVAL | Marine Valves

BURNETTS | Testing Development Production

DESIGN AND INSTALLATION

PHASES

Phases in sealing cable transit

DESIGN

Engineering

Hawke Design Software

INSTALLATION

Installers

Hawke Installers APP

INSPECTION & LIFECYCLE

Inspectors

DESIGN AND INSTALLATION

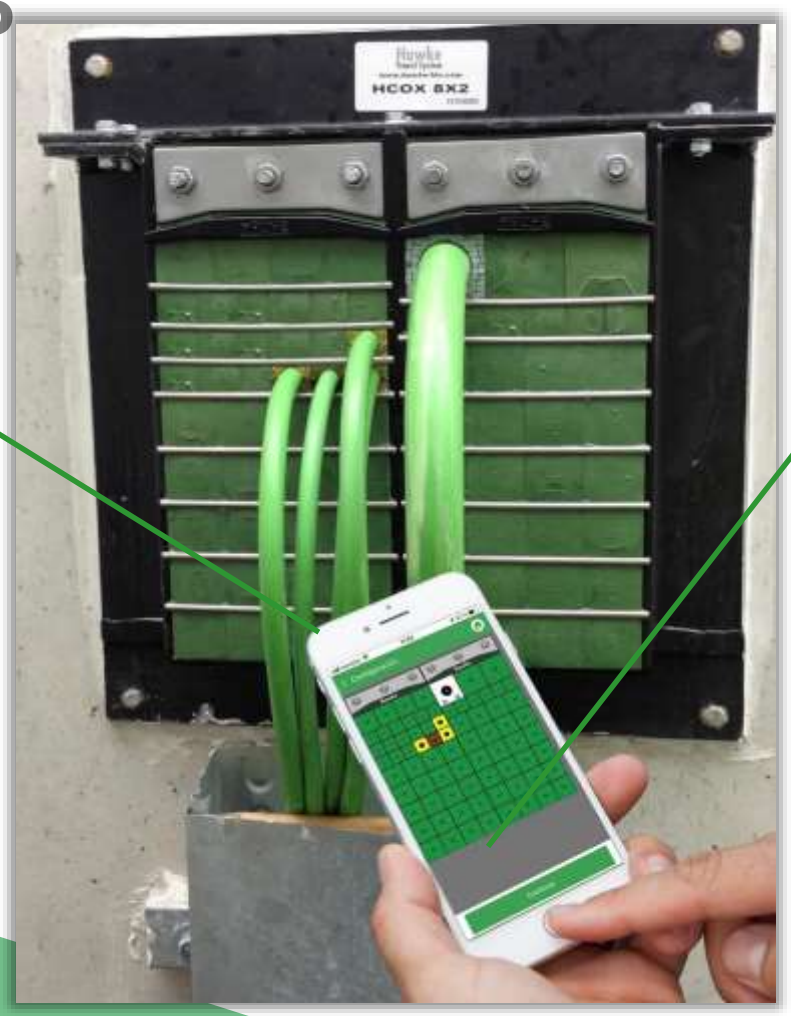
HAWKE INSTALLERS APP

INSTALLATION GUIDES

TRANSIT DESIGN

ASSEMBLY DIAGRAMS

MATERIAL LIST



REMOTE ASSISTANCE

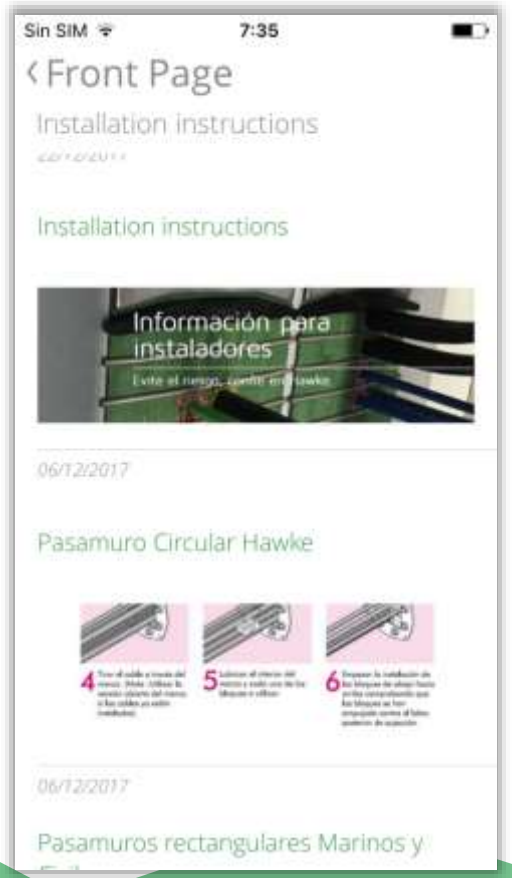
REPORTS

CABLE SATURATION CONTROL

ASSEMBLY RECORDS

DESIGN AND INSTALLATION

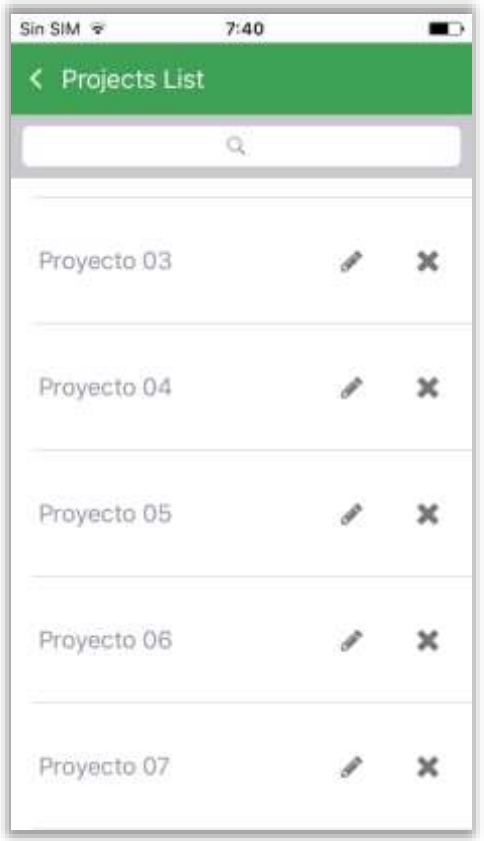
HAWKE INSTALLERS APP



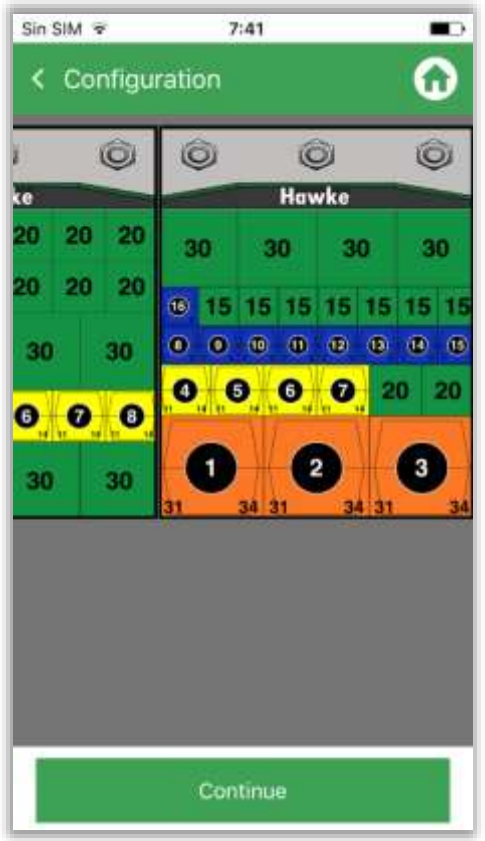
MANUALS,
INSTALLATION
INSTRUCTIONS
AND VIDEOS

DESIGN AND INSTALLATION

HAWKE INSTALLERS APP



Designs and calculations in plant, managing the situation of the transit and cables without the need of paper or computers.



INSPECTION AND LIFECYCLE

FERNÁNDEZ JOVE group

FJ | Integral Supply

SAVAL | Marine Valves

BURNETTS | Testing Development Production

DESIGN AND INSTALLATION

PHASES

Phases in sealing cable transit

DESIGN

Engineering

Hawke Design Software

INSTALLATION

Installers

Hawke Installers APP

INSPECTION & LIFECYCLE

Inspectors

Hawke Inspection App/Software

INSPECTION / LIFECYCLE

INTELLIGENT IDENTIFICATION OF STEPS

PHYSICAL IDENTIFICATION OF THE TRANSITS ON THE BOAT

TAG READING OR SMART CODE

RECOVERY AND READING OF THE INTERN'S DATA

RECOVERY AND READING OF THE DATA OF THE CABLES AND THEIR ROUTING

VISUALIZATION OF THE AS BUILT SCHEMES

GOAL: REAL-TIME TOTAL TRACEABILITY

INSPECTION / LIFECYCLE

INTELLIGENT IDENTIFICATION OF STEPS

Hawke is ready to assist you according to the required inspection documentation. Hawke can help you directly on any urgent safety issues, but also to be your long-term partner and provide planned maintenance of your solutions throughout the life cycle.

- **On-site personnel training for repair and maintenance.**
- **Detailed reports of repair work.**
- **Corrective works of the isolation of the transit.**
- **Installation and maintenance work.**

TECHNICAL SUPPORT ON BOARD

HAWKE | Transit System

REFERENCE LIST

REFERENCE LIST

HAWKE | Transit System

NAVY

- Battleships.
- Frigates.
- Amphibious Ships.
- LHD and LCM.
- Submarines.
- Combat support ships.
- Joint Support Ships (JSS).

TELECOM

- CPD Banco de Santander
- Telefónica
- Huawei
- Metro & Underground

MARINE

- Cruises
- Yachts
- Ferries and other vessels

OFFSHORE

- Oilrigs
- CPF
- FPSO
- FPO
- FPU

ONSHORE

- Gas & Nuclear plants
- Refineries
- Trains

REFERENCE LIST

HAWKE | Transit System

REFERENCE LIST

- ROYAL AUSTRALIAN NAVY 
- NORWEGIAN NAVY 
- ROYAL NETHERLANDS NAVY 
- ROYAL SPANISH NAVY 
- ROYAL BRITISH NAVY 
- BOLIVARIAN NAVY OF VENEZUELA 
- U. S. NAVY 
- INDIAN NAVY 

- TURKISH NAVY 
- CHILEAN NAVY. 
- ROYAL MALAYSIAN NAVY 
- ROYAL NAVY OF OMAN 
- COLOMBIAN NATIONAL NAVY 
- ROYAL SAUDI NAVY 
- REPUBLIC OF SINGAPORE NAVY 
- PERUVIAN NAVY 

HAWKE

Transit System

WWW.**HAWKE-HTS**.COM

FERNÁNDEZ JOVE
grupo