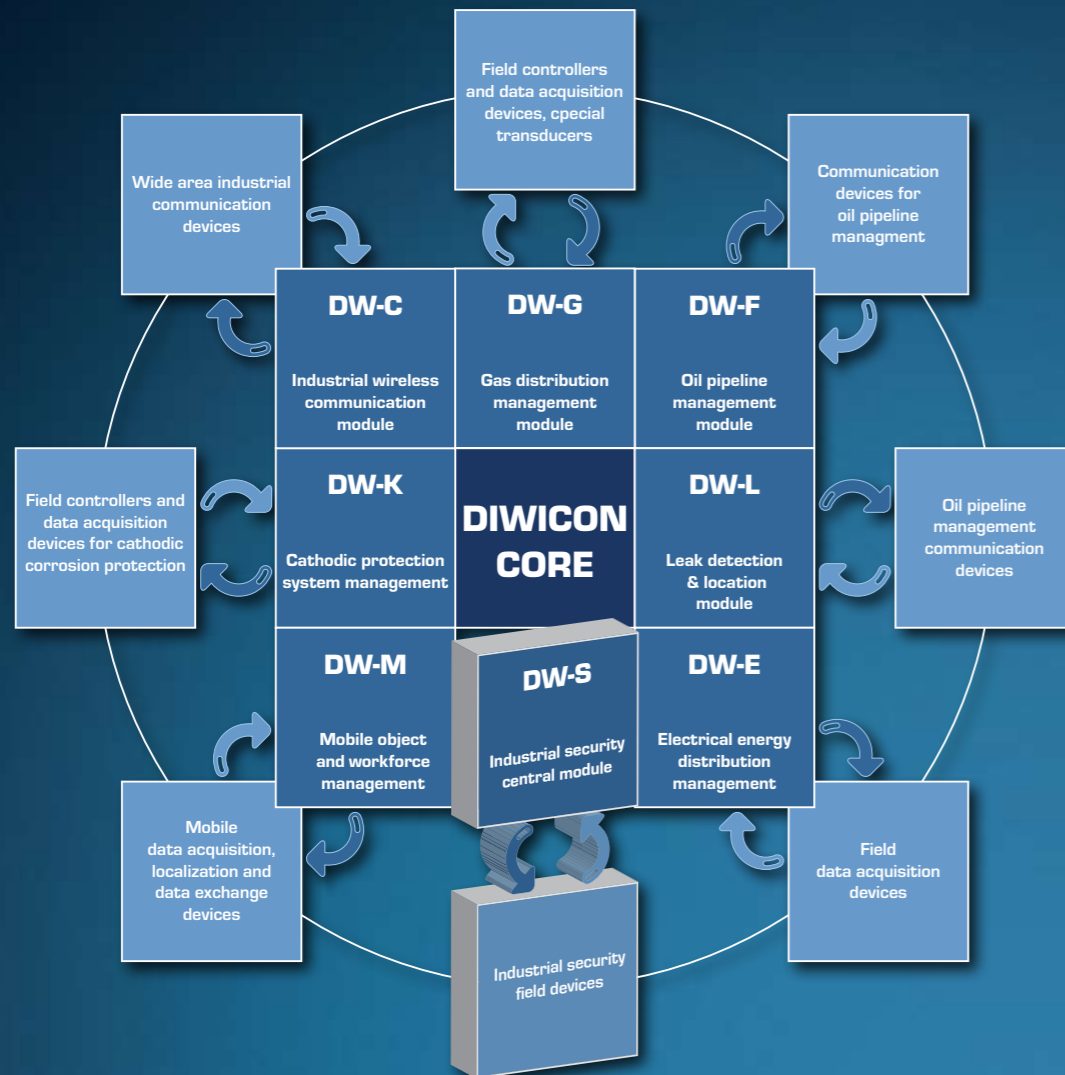




DIWICON-S Industrial Security System



Environment protection, keeping the values of nature.

Distributed intelligence security solutions for wide area industrial applications protecting and preventing damage to valuable and/or hazardous facilities.

The DIWICON-S system provides increased protection for pipelines transporting gas, oil and other hazardous liquids.

The DIWICON-S family also includes other industrial safety solutions.

FEATURES:

CASON offers a complete system based on the vertical DIWICON technology from the field devices through to the central servers and the client applications.

The preventive security system operates reliably by the complex evaluation of the status values of the loop and that is why it is necessary to synchronize the time stamps attached to the measured values at all the measuring points.

The CASON DIWICON-S technology is based on the automatic monitoring and evaluation of the status of the security loop in the pipeline.



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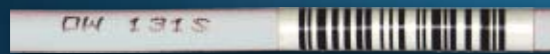
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PREVENTIVE SECURITY SYSTEM

DW 131 S

Preventive Safety Insulated Cable

The cable is for connecting intelligent safety junction units implemented along the entire length of the pipeline and ensures flow of information between them. The isolated cable is located between the two layers of marker band. There are 2 insulated cables in every marker band.



DW 135 S

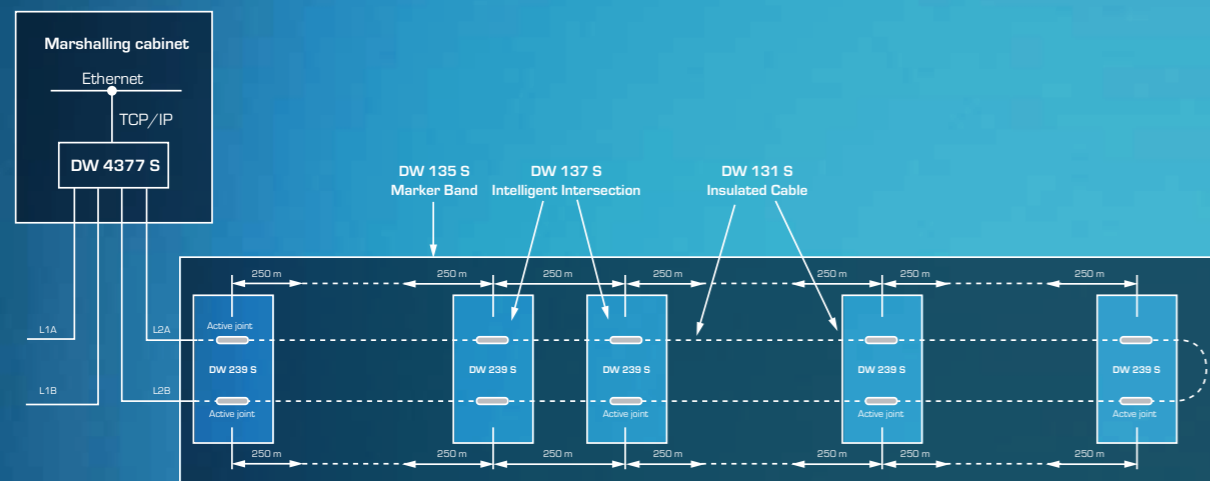
Preventive Safety Marker Band

The marker band has a layered structure. Its upper layer is a high visibility yellow protective plastic sheet, with black warning pictograms. The type of pictogram used is specified by the customer. The lower layer is a sheet of geotextile. Between the marker sheet and the geotextile sheet there are two specially insulated twin strand cables (DW 131 S) laid out in a sine wave pattern. The top and bottom layers are held together by special two sided adhesive strips.

The average length of marker bands is 250 m.



System sheme



DW 137 S

Preventive Safety Intelligent Intersection

The insulated cables within the preventive safety marker band are linked together with active electronic joint units every 250 meters along the pipeline. The DW 137 S elements together with the field controller are capable of detecting errors between two active elements.



DW 239 S

Preventive Safety Junction Unit

The DW 239 S is made up of the insulated cables, the preventive safety marker bands and the active junction units.

The elements together with the field controller are capable of detecting errors between two active elements.

The unit includes a marker, which identifies the location of the junction unit.



DW 4377 S

Preventive Safety Field Controller

The DW 4377 S preventive safety field controller is for supervising preventive loops. The field controller has two outputs, the device can analyze the status of the preventive safety loops via these outputs.

The controller continuously monitors the loops then evaluates and transfers the measured data to the centre. Short circuits and breaks generate alarm signals.



DW 7300

Preventive Safety Central Software

The DW 7300 application is an organic part of the DIWICON-S system.

FEATURES:

- Real-time analysis of measurement data
- Alarm generation for the operator
- Simple and logical user interface
- Historical display of events

- Reception of field data
- Storing of data on SQL database

DW 7300 Module Characteristics:

- Standard data interface
- Independent software module
- Thin client (web) display interface
- Event display on digital maps
- Based on Microsoft standards

Normal operation



Failure detection



Other Industrial Safety Solutions

DW 217 S

Video Subtitler

The video subtitler unit overlays text data on the picture from video cameras. Data to be visualized can be received from cash registers and other communication devices over the devices serial port. The subtitled text can be static or dynamic and visualizing pictures from cash registers and other communication devices can be connected over serial port. The subtitle can be static or dynamic. The content and position of subtitles can be user configured.

- Standard composite PAL video signal
- Configurable subtitles
- Subtitle position can be modified
- Absence of video signal generates alarm message



DW 8600 / DW 8600 SEx

IP Based Industrial Safety Doom Camera

The safety doom camera can be moved 360 degrees horizontally and 90 degrees vertically for wide area scanning.

The protected object can be controlled from anywhere by using the built-in web services with appropriate permissions.

- Both for inside and outside applications
- The DW 8600 SEx type can be installed to hazardous area (explosion-proof design)

