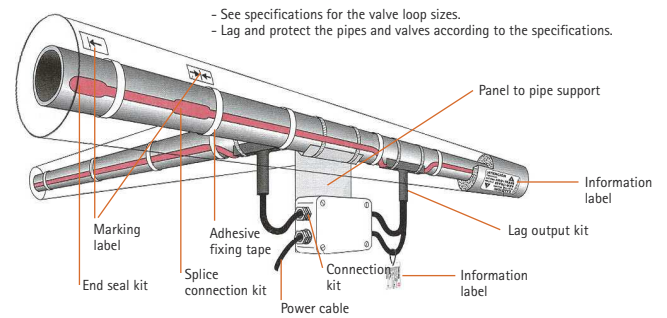


## DESCRIPTION

This is the electric heating and subsequent maintenance of a constant temperature in pipes, tanks, instruments, hoppers, etc. Highlighting, among others, the following advantages:

- Safety and operational reliability
- More uniform and controlled temperatures
- Lower installation, operation and maintenance costs
- Ecological and energy saving system
- Easy application and installation
- Control via thermostats as required



## HUMAN CAPABILITY

ElectroRayma S.L. has an engineering department for the design, study and supervision; designing the tracing system best suited to your facility and specialists with extensive experience.

## REFERENCES

### ► KAEFER AISLAMIENTOS (A Coruña)

Electrical tracing of pipes in buildings constructed by Astano S.A.  
Drillmar, PTS, FSU and Petrojarl Foinaven platforms.

### ► AKO ELECTRÓNICA (Barcelona)

Collaboration in the assembly of electrical tracing for the PTS, FSU and Petrojarl Foinaven platforms.

### ► KVAERNER PALADON LTDA (United Kingdom)

### ► SHIPS AND SHIPYARDS

Deep-sea fishing vessels (Astilleros Gondan S.A.)  
Tracing for fuel pipes, handrails and refrigeration chamber doors.

#### Hospital ships for Juliana

Tracing for fuel pipes, handrails and decks (anti-icing).

#### Juliana Shipyard floating docks

Fuel pipelines.

### ► DETERGENTS AND PROCESSED PRODUCTS

#### Henkel

Pipe tracing for gel, soda, GN43, etc.

#### Persan

Various pipe tracing.

### ► ENERGY

Endesa Generacion As Pontes  
Fuel pipelines diverse machinery.

### ► PHARMACEUTICAL

Biofarma Tracing a variety of surfaces.

Antibiotics Tracing a variety of surfaces.

### ► SPECIAL GASES

Air Liquide anti-fog Pipe tracing.

### ► INDUSTRIAL-BIODIESEL PLANTS

Tracing and control of pipelines and soda, oil, glycerine, additive, palm oil tanks at the following facilities:

Abener Abengoa Plant in Curtis (Teixeira), in Babilafuente (Salamanca) and San Roque (Cadiz).

Entaban Plant In Puerto Exterior (Cabo Prioriño).

Isolux Corsan Plant in Puerto Exterior (Ferrol).

Cobra Plant in Portugal.

### ► CHEMICAL PLANTS

Galparket Tracing and anti-fog control system of water supply pipes.

## ASSEMBLY PROCESS



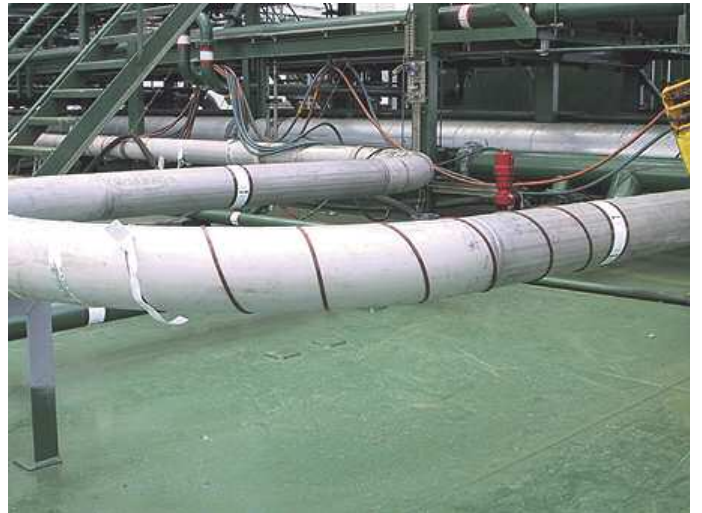
Linear tracing



Flange tracing



Trace sealing



Spiral tracing



Junction box to control tracing



Coverage of tracing with insulation