

# **MANUFACTURING THE FUTURE**

## ***Of Railway Industry***

**With Crouzet products:** Hermetically sealed relays, microswitches, limit switches, force sensors, DC motors, automation controllers, solid state relays, and more.

[WWW.CROUZET.COM](http://WWW.CROUZET.COM)



## CROUZET In the Railway Industry

# 60+ Years' Experience

As a reliable manufacturer of safety critical components for various Rolling Stock and Infrastructure applications

### COMPLIANT WITH RAILWAY STANDARDS

→ HARSH ENVIRONMENTS RESISTANCE



### LONG-TERM RELATIONSHIPS

→ WITH RENEWED INDUSTRY PLAYERS

#### SUB-TIER MANUFACTURERS



#### TRAIN MANUFACTURERS



#### RAIL OPERATORS

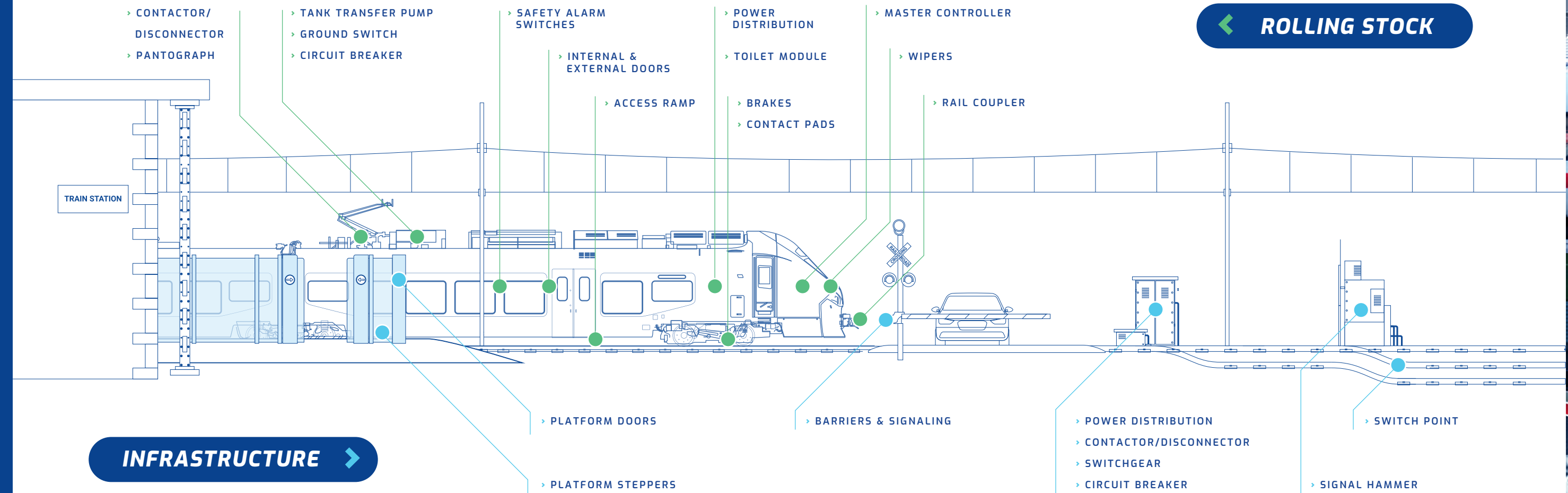


### PROUD MEMBERS OF

→ RAILWAY ASSOCIATIONS



## APPLICATIONS



## THE OFFER

### ELECTRICAL CONTROL & PROTECTION

- > Hermetically Sealed Relays
- > Relay Cards & Racks
- > Automation Controllers
- > Timers & Counters
- > Solid State Relays
- > Thermal Circuit Breakers



### MOTION CONTROL & SENSING

- > Microswitches
- > Limit Switches
- > Structural Monitoring Sensors
- > DC Brush & Brushless Motors
- > DC Steppers & AC Synchronous



### ENGINEERING IS OUR DNA

### DESIGN LAB

Our DesignLAB team provides innovative customization solutions for your most specific applications. Specialized on high volume production, long-term partnerships and railway-ready qualifications.

**Get in touch:** [www.crouzet.com/contact-us/](http://www.crouzet.com/contact-us/)





# ABOUT CROUZET

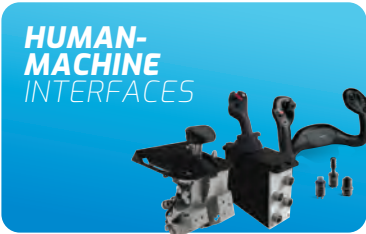
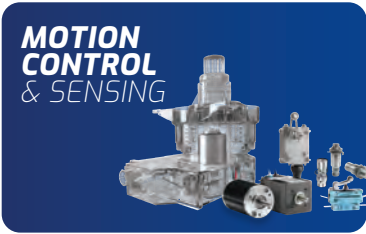
100+ YEARS MANUFACTURING THE FUTURE *Together*

We design and manufacture **Mechatronic Products** to turn engineering ideas into real world applications

## OUR MARKETS

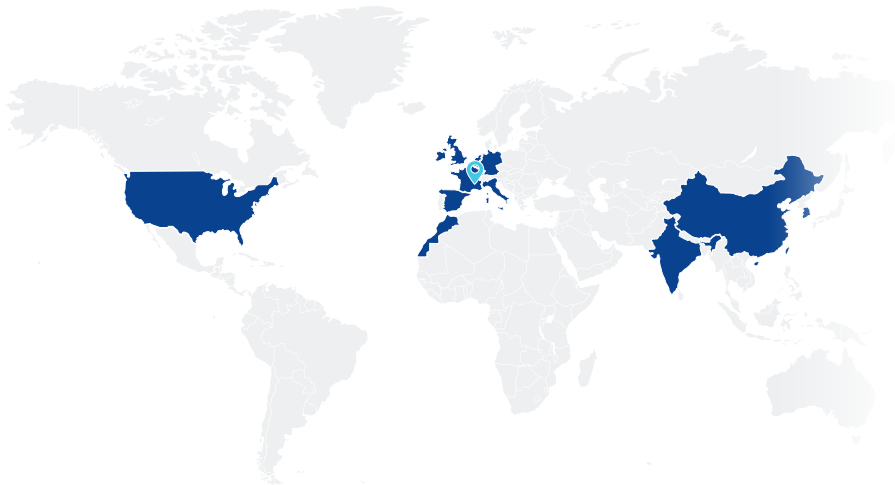


## OUR PRODUCTS



## WE ARE GLOBAL

**2000+ collaborators,**  
10 Manufacturing Plants,  
9 Sales Offices & 4 R&D Labs



📍 HEADQUARTERS ■ SALES OFFICES



VALENCE, FRANCE



PONT-DE-L'ISÈRE, FRANCE



PARIS, FRANCE



NANTES, FRANCE



ORLEANS, FRANCE



VOUVRY, SWITZERLAND



CASABLANCA 1, MOROCCO



CASABLANCA 2, MOROCCO



HUIZHOU, CHINA

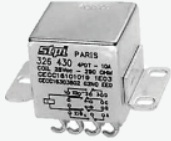


BANGALORE, INDIA

# STPI Hermetically Sealed Relays

## H TYPE - RELAYS

### 4-Pole Non Latching 10A



- H400 - 4RT
- H022 - 2NO/NF
- H211 - 1NO/NF + 2RT

P/N: 326, EDT2 & ETP4

### 6-Pole Non Latching 10A



- H600 - 6RT
- H033 - 3NO/NF
- H411 - 1NO/NF + 4RT
- H222 - 2NO/NF + 2RT

P/N: 336, EDT3 & ETP6

### 4-Pole Latching 10A



- SH400 - 4RT

P/N: 326B, EDTL2 & ETP4

## D TYPE - RELAYS

### 2-Pole Non-Latching 2A



- D200 - 2RT - 310

P/N: 310

## H TYPE - TIMERS

### 4-Pole Timers 10A



- THLA0  
(Delay On-Operate)
- THLOR  
(Delay On-Release)
- THM - Monostable

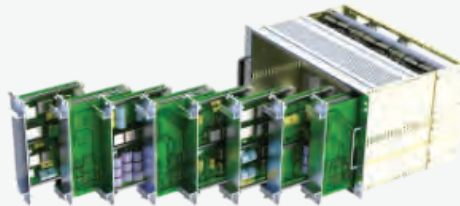
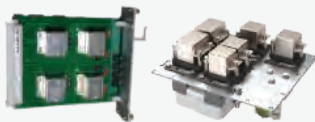
## SOCKETS



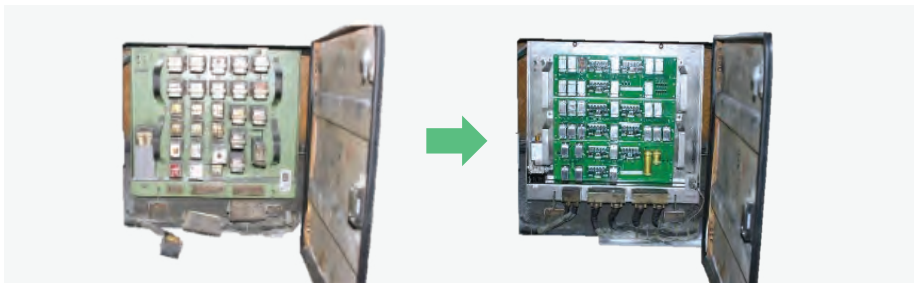
- Solder Type
- Fast-on Lugues
- Component Holder
- Adapter
- Crimped Contacts
- With Led
- Test Connectors

## RELAY CARDS & RACKS

- Relay cards with single & double PCBs
- PCB Racks
- Security equipment (In conformity with EZ.4 - 5000 & EZ.4 - 5004)



## MODERNIZATION



## SENSORS & RELAYS

- Current Sensor
- Din-Rail
- Leds

