

# NIEDAX France



## MAJOR PROJECTS

INFRASTRUCTURE & TUNNEL / ENVIRONMENT / ENERGY / OIL & GAS / RAIL INDUSTRY

**Tolmega**  
by NIEDAX  
France

**GES**  
by NIEDAX  
France

**ebo**  
Ebo Systems  
NIEDAX GROUP

**(RICO)**

**(NIEDAX)**



COMPETENT  
INNOVATIVE  
CUSTOMER INTIMACY

## KEY FIGURES

- ▶ **1920:** The Group is founded
- ▶ **30** branches worldwide
- ▶ **1,800** employees
- ▶ **10 production sites** throughout Europe
- ▶ **5 logistics centres** in France
- ▶ **80** commercial partners worldwide
- ▶ **65,000** tonnes of steel used per year
- ▶ **45,000** products
- ▶ **60** patents



# NIEDAX France

## The synthesis of two French cable tray specialists

In 2008, CTS Cable Tray Systems brought together the strengths of two of the largest French cable tray manufacturers, **CES** and **Tolmega**.

In 2010, CTS joined the **NIEDAX Group**, which has been developing high-quality, innovative products for all modern electrical installations around the world for over 90 years.

In 2014, CTS became **NIEDAX France**.

Today, **NIEDAX France** is France's preferred supplier of equipment systems for mechanical and electro-magnetic

protection and for support structures for cables and electrical appliances.

At our powerful and flexible 100% French production facility, we develop cable trays and support systems which respond to all **technical specifications** and all **environmental challenges**.

The range of products from **CES** and **Tolmega**, in addition to the materials and expertise of **Ebo Systems**, **Niedax** and **Rico** guarantee a solution for all your needs.

## WITH YEARS OF EXPERIENCE AND COMPREHENSIVE KNOWLEDGE OF THE CHALLENGES OF MAJOR PROJECTS, **NIEDAX FRANCE** AND **RICO** HAVE JOINED FORCES.



**RICO** is Germany's specialist in integrated solutions: design, delivery, assembly, installation inspection. In 2004, **RICO** joined the **NIEDAX Group**.

2014 saw the introduction of a new structure for the NIEDAX Group, based on the alliance and combined strengths of **NIEDAX France** and **RICO**: **NIEDAX INDUSTRIAL SOLUTIONS - FRANCE**.

NISF's mission is to provide you with a **unique, tailor-made response** to every project.

NISF's dedicated team of specialists in your area of business activity provides **comprehensive management and monitoring** of your project.

This partnership guarantees you a **consistent installation**, whatever your specific constraints and requirements.

## COMPLEMENTARY BRANDS:

### FOR ALL SITE CONFIGURATIONS



### WITH A WIDE RANGE OF PRODUCTS IN METALLIC AND COMPOSITE MATERIALS

- Wire cable trays
- Steel cable trays
- Cable ladders
- Trunkings
- Support and fixing systems

### CERTIFIED AND COMMITTED



#### ENVIRONMENT

Committed to a process of ISO 14001 certification: implementation of a **carbon footprint**®, production of **PEPs** (Product Environmental Profiles – life cycle analysis), **eco-design**.



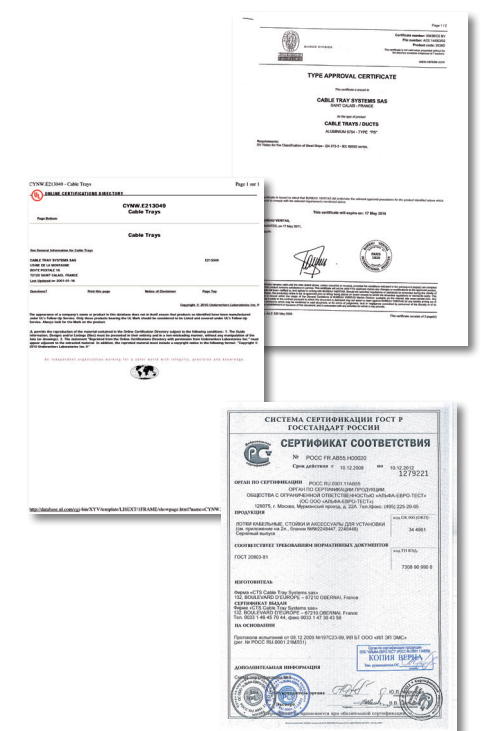
#### QUALITY

With its ISO 9001 QMS system: **customer satisfaction**, **sustainable procurement policy**, **process management**.



#### HEALTH & SAFETY

Committed to a process of OHSAS 18001 certification, **putting security at the heart of decision-making**.



# MAJOR PROJECTS,

a tailor-made response  
to every problem



## MAJOR PROJECTS BY NIEDAX FRANCE:

Our Major Projects team has been committed to working side by side with you for over 20 years. **In France and around the world**, Niedax France is the preferred partner for national installers and engineering offices.

## FIVE MAJOR AREAS OF ACTIVITY:

- **Energy:** Nuclear power plants, thermal power plants, solar power plants, wind farms, etc.
- **Infrastructure:** Tunnels, hospitals, stadiums, railways, airports, etc.
- **Environment:** Seawater desalination plants, purification plants
- **Oil & Gas:** Oil rigs, LNG terminals, refineries, chemical industry etc.
- **Rail industry**

## ONE MAJOR PROJECTS TEAM FOR EACH ACTIVITY:

### Sales department:

- A Business Engineer
- A trilingual Back Office Coordinator
- A Documents Manager

### Technical department:

- A Project Manager
- A Consultant Technician
- An R&D Engineer

# COMPREHENSIVE SUPPORT:

Optimal technical and economic solutions  
for every project configuration

## A COMPLETE CHAIN OF EXPERTISE:



## A PRE-DESIGN STUDY: According to your requirements

- **3D SCALE MODELS**  
Studies of your projects on INVENTOR, CATIA V5 and AUTOCAD
- **CAD CATALOGUES created using:**
  - INVENTOR
  - CATIA V5
  - AVEVA PDMS
  - SMARTPLAN
  - Also in STEP/IGES formats
- **LAYOUT**
- **DIMENSIONING:**
  - Finished elements modelling using ANSYS
  - Material resistance calculation or natural frequencies
  - Structural calculations on RSTAB 8 (DLUBAL)
  - Electromagnetic compatibility tests
  - Static calculations (load, seismic)
  - Load testing
- **PROTOTYPING**
- **MANUFACTURING:**  
Efficient and flexible production facilities enable us to develop recommended tailor-made solutions
- **TESTS AND PROVISION OF CERTIFICATES**  
**Certificates of compliance:**
  - Certificates of origin
  - ISO and phytosanitary
  - GHOST
  - UL (USA)
  - Marine cable trays**Plans, regulations and procedures:**
  - Inspection plans
  - CE marking rules
  - Product traceability
  - Materials certificates
  - Compliance**Tests and trials:**
  - Load tests : according to CEI/ICE 61 537 or NEMA VE 1-2009 standards
  - Salt spray
  - Electrical Continuity Tests
- **LOGISTICS MANAGEMENT** adapted to every project
- **ASSEMBLY:**  
Implementation of installation plans

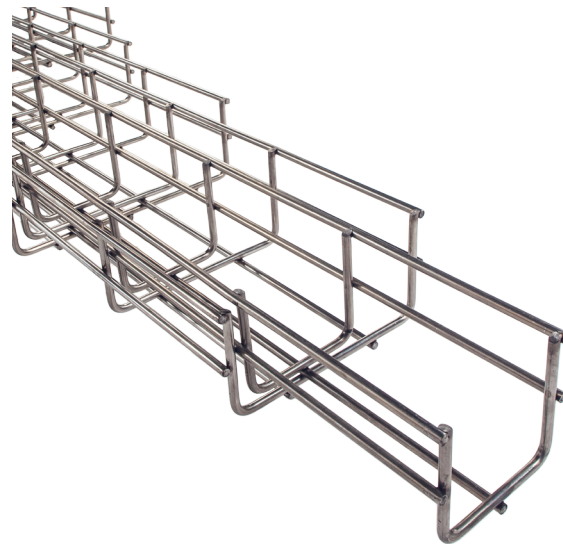


# A RANGE OF PRODUCTS

for all your applications:

## WIRE MESH CABLE TRAYS

- For medium to heavy loads
- Fast installation
- Good ventilation of the power cables
- Ideal for power cables
- Recommended for environments sensitive to dust/bacterial development
- **Finishes:** SZ\*/HDG\*/Stainless steel/Epoxy



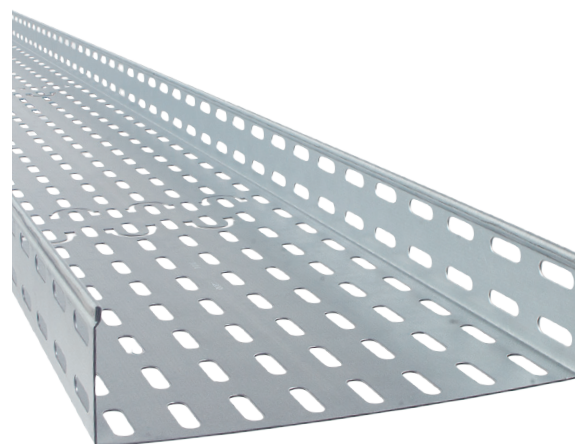
## CABLE LADDERS

- For medium to very heavy loads
- For any type of installation and activity
- Excellent ventilation of the power cables
- Six ranges according to required load capacities
- **In PRV\*:** High corrosion resistance and excellent insulation
- **Finishes:** SZ\*/HDG\*/Stainless steel/Aluminium/Epoxy/GRP/FRP



## PERFORATED CABLE TRAYS TRUNKING

- For light to heavy loads
- Ideal for power and communications cables
- Optimum mechanical protection, limiting electromagnetic disturbance
- Trunking (non-perforated): reinforced electromagnetic compatibility
- **In PRV\*:** High corrosion resistance and excellent insulation
- **Finishes:** SZ\*/HDG\*/Stainless steel/Aluminium/Epoxy/GRP/FRP



## SUPPORTS FIXING SYSTEMS

- Wall and floor fixing system
- Suspensions
- Hanging systems
- Floor to ceiling fixing systems
- Special made-to-measure supports
- **Finishes:** SZ\*/HDG\*/Stainless steel/Aluminium/Epoxy/GRP/FRP



\*PRV: Reinforced SZ glass fibres: Sendzimir Z 275 GC/GAC galvanised steel: Steel hot-dip galvanised after manufacture









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