



## PRODUCTS PORTFOLIO



Sensors



Solid State Relays



Energy Meters and Analysers



IIoT Data Management, Communication and Control



IIoT Field Devices



Current Transformers



Soft Starters and Frequency Drives



Monitoring Relays



Timers



Fieldbus - Dupline



Safety



Power Supplies and UPS



Digital Panel Meters



Industrial Relays and Sockets



## OUR SALES NETWORK IN ASIA AND PACIFIC

**SINGAPORE**  
Regional Headquarters  
Carlo Gavazzi Automation  
Singapore Pte. Ltd.  
61 Tai Seng Avenue #05-06  
Print Media Hub  
@ Paya Lebar iPark  
Singapore 534167  
Tel. +65 67 466 990  
Fax +65 67 461 980  
info@carlo gavazzi.com.sg

**TAIWAN**  
Branch of Carlo Gavazzi Automation  
Singapore Pte. Ltd.  
12F-3, No. 530, Yingcai Rd.,  
West Dist., Taichung City  
403518,  
Taiwan, China  
Tel. +886 4 2258 4001  
Fax +886 4 2258 4002

**MALAYSIA**  
Carlo Gavazzi Automation (M)  
SDN. BHD.  
D12-06-G, Block D12,  
Pusat Perdagangan Dana 1,  
Jalan PJU 1A/46,  
47301 - Petaling Jaya,  
Selangor, Malaysia  
Tel. +60 3 7842 7299  
Fax +60 3 7842 7399  
info@gavazzi-asia.com

**CHINA**  
Carlo Gavazzi Automation  
(China) Co. Ltd.  
Unit 2308, 23/F,  
News Building, Block 1, 1002  
Middle Shennan Zhong Road,  
Futian District,  
Shenzhen, China  
Tel. +86 755 8369 9500  
Fax +86 755 8369 9300  
sales@carlo gavazzi.cn

## OUR COMPETENCE CENTRES AND PRODUCTION SITES

**DENMARK**  
Carlo Gavazzi Industri A/S  
Hadsten

**MALTA**  
Carlo Gavazzi Ltd  
Zejtun

**ITALY**  
Carlo Gavazzi Controls SpA  
Belluno

**LITHUANIA**  
Uab Carlo Gavazzi Industri Kaunas  
Kaunas

**CHINA**  
Carlo Gavazzi Automation  
(Kunshan) Co., Ltd.  
Kunshan

## HEADQUARTERS

**CARLO GAVAZZI AUTOMATION SPA**  
Via Milano, 13  
I-20045 - Lainate (MI) - ITALY  
Tel. +39 02 931 761  
info@gavazziautomation.com

APAC APPLICATIONS OVERVIEW ENG 12/23 SIN  
Specifications are subject to change without notice. Illustrations are for example only.

*Energy to Components!*  
www.gavazziautomation.com



## Overview



## WHO WE ARE

Carlo Gavazzi is an international group active in designing, manufacturing, and marketing electronic equipment. Automation Components is the core business operated by Carlo Gavazzi Group.

Automation Components designs and manufactures electronic control components for the global building and industrial automation markets in its ISO 9001 and ISO 14001 certified factories in Italy, Lithuania, Malta and China.

The products (sensors, solid state relays, energy meters, energy management systems, monitoring relays, soft starters, timers, safety devices and fieldbus systems) provide automation solutions for the industrial and building automation markets.

Typical customers are original equipment manufacturers of EV Charging Stations, PV Energy Storage Systems, Food and Beverage, Semiconductors, HVAC, Mobile Equipment, Agriculture, Plastic Machinery, Access Controls, Energy and Building Efficiency, Data Centers, Conveyors.

System integrators and distributors are other effective channels to the market.

1,000+  
EMPLOYEES  
GLOBALLY

23  
NATIONAL  
SALES  
COMPANIES

60  
INDEPENDENT  
NATIONAL  
DISTRIBUTORS

## ONLINE CHANNELS



## Industry applications

# Overview Conveyor



- Food and beverage packaging lines
- Digital printing machinery
- Electronics and PCBs

## SENSING FOR ELECTRONICS, PCBs AND PACKAGING LINE

Complete photoelectric sensors with background suppression, retro-reflective, diffuse-reflective and through-beam come with IO-Link.



## Plastic & Rubber



- Injection machines
- Extrusion machines
- Blow molding machines
- Blown film extrusion machines
- Thermoforming machines
- Dryers and dosing systems

## HEATING AND DOSING CONTROLS

Complete solid state switching from hockey pucks to slim type solutions with ratings from 10A - 125A.



## EV Charging



- Energy monitoring in electric panels
- Standard charging
- Fast charging up to 350 kW

## ENERGY MONITORING FOR EV AC/DC CHARGING

- Up to 1000 VDC and up to 600 A.
- 256/384 bit signature on Modbus RTU.
- CE, cULus, Eichrecht approval (German certification) and IEC62053-41.



## Energy and Building efficiency



- Energy monitoring
- Lighting control
- Fire damper control

## ENERGY MONITORING FOR BUILDING ELECTRICAL DISTRIBUTION AND DATA CENTER PDU

- Complete monitoring solution from meters to cloud gateway
- 1-phase/3-phase direct connect/CT connect power meters for both new and retro-fitting applications



## Agriculture



- Feeding systems
- Harvesting machinery
- Seed silos
- Irrigation

## SENSING FOR FEEDING SYSTEM AND SILOS

Complete capacitive sensors with 4th Gen Tripleshield technology, ECOLAB and IP69K approval and IO-Link.



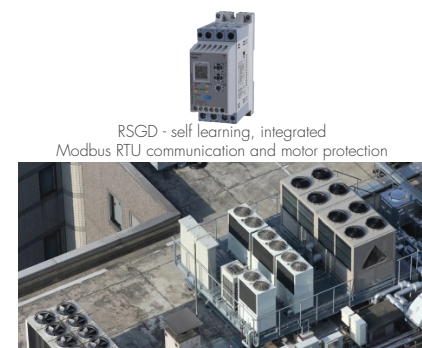
## HVAC



- Heat pumps
- Commercial air-conditioners and chillers
- Refrigeration cabinets
- Air-handling units
- Duct heating
- Fire dampers monitoring
- Pellet burners

## COMMERCIAL AIR CONDITIONERS AND CHILLERS

Complete soft starters solution for scroll compressors and general AC motors.



## Renewable energy



- PV sites monitoring
- AC energy monitoring
- PV storage
- Other renewable

## RESIDENTIAL PV SYSTEM

- 100 ms refresh time via Modbus RTU.
- 0.001 kWh energy and 0.001 Hz frequency resolution.



## Mobile equipment



- Waste disposal trucks
- Mobile cranes
- Concrete trucks and specialty vehicles
- Loading cranes and forklifts

## SENSING FOR TRUCK/CRANES/BUS

- High level of shocks and vibrations
- Wide operating temperature -40°C to +85°C
- High EMC immunity of up to 200 V/m
- IP69K

