

COMPANY PROFILE

ELEN designs and manufactures electronic sensors and control devices for industrial vehicles and agricultural machines

■ why ELEN?

ELEN offers to its customers a specialised know-how in the field of applications and regulations for the off-highway sector, and supports them in the technological development of productive, ergonomic, safe and environmentally friendly vehicles.



Specialization

All products are internally designed and tested in order to ensure maximum reliability in heavy-duty applications.



Innovation

ELEN offers to its customers cutting-edge technological solutions as well as a complete and constantly updated range of products.



Customization and Co-design

If you don't find the product suitable for your needs, ELEN can realize it on the basis of your requirements.



Quick service

Company's internal processes ensure flexibility and quick response from development stage to after-sales.

ELEN targets all those manufacturers of machinery operating without interruption under hard conditions.



Construcion vehicles



Lifting vehicles



Material handling



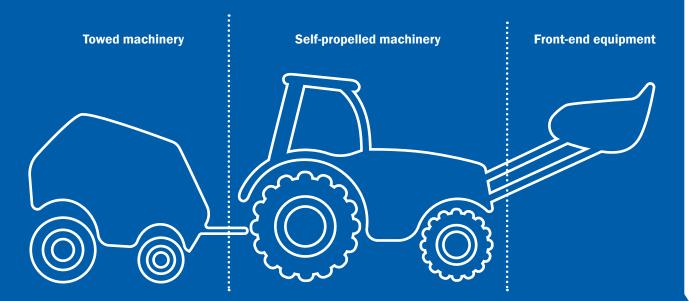
Professional cleaning



Agricultural machines



Special vehicles





Heat engines



Electric motors



Power transmission



Hydraulic systems

■ product range

ELEN offers a complete and wide range of products, designed to perfectly meet those specific application requirements for the farm machinery industry and the industrial vehicles' sector.

Sensors

Angular



Hall effect sensors, with shaft

- Angular range: 5°-360°
- Supply Voltage: 5V / 10÷30V
- Output: 0,5÷4,5V / 4÷20mA
- Signal: single / double



Hall effect sensors, with external magnet

- Angular range: 5°-360°
- Supply Voltage: 5V / 10÷30V
- Output: 0,5÷4,5V / 4÷20mA
- Signal: single / double

Speed



Hall effect sensors

- Signal: single / double
- Output: NPN / PNP / CAN / In corrente
- Fixing: threaded / flanged / adjustable
- Optional diagnostic



Inductive sensors

- Signal: single
- Output: analog signal
- Fixing: flanged / adjustable
- Customizable connector and cable

inear positio



Hall effect sensors, with shaft

- Supply Voltage: 5V / 10÷30V
- Output: 0,5÷4,5V / 4÷20mA
- Signal: single / double
- Mechanical stroke: max 12.5 mm



Hall effect sensors, contactless

- Supply Voltage: 5V/10÷30V
- Output: linear voltage signal
- Signal: single/double
- Option: external magnet



Sensors for Steering cylinders

- Output: NO / NC
- Signal: single / double
- Material cylinder: iron / stainless steel
- Option: diagnostic led



Sensors for translating shaft

- Output: NO / NC
- Signal: single/double
- Customizable connector and cable
- Option: external magnet

Proximity



Inductive sensors

- Output: NO / NC
- Signal: single / double
- Adjustable fixing
- Customizable connector and cable



Electromechanical limit switches

- Output: NO
- Open stroke: 0,5 ÷1,5 mm
- Option: Diagnostics
- Degree of protection: IP 67



Reed switch, limit switches

- Output: NO
- Signal: single/double
- Magnet positioning: internal/external
- High pressure resistant



Reed switch, proximity sensors

- Output: NO
- Signal: single/double
- Degree of protection: IP 67
- Customizable connector and cable

emperature



NTC

- Configurable NCT curve
- Degree of protection: IP 67
- Option: alarm signal
- Customizable connector and cable



Thermostats

- Output: NO / NC
- Degree of protection: IP 67
- Adjustable tripping threshold
- Customizable connector and cable

Pressure



- Supply Voltage: 8÷30 / 5± 0,5 Vcc
- Output: 4-20mA, 0-5V, 0-10V, 10-90% ratiometric
- Signal: single/ single + switch
- Customizable connector

ELEN proposes, in the short terms, customized products as well as co-design solutions, both for small and big quantities, relying on the support and advice of its qualified technicians.

Pedals



- Programmable Hall effect
- Supply Voltage: 5V/12 ÷ 48 V
- Output: 0,5 ÷ 4,5 V
- Signal: single/double
- IVS: NO/NC/absent

"Heavy duty" pedals are suitable for open-cabin agricultural and industrial vehicles.

Three Footboard lengths are available; Bracket for cable-pulling can be required as optional.

Nomos



- Programmable Hall effect

- Supply Voltage: 5V/12 ÷ 48 V
- Output: 0,5 ÷ 4,5 V
- Signal: single/double
- IVS: NO/NC/absent

Ideal solution for heat-engine and electric motor's vehicles. Output signal and IVS are obtained through a firmware in the electronic board, starting from the rotation of the lever pin.



- Programmable Hall effect

- Supply Voltage: 5V/12 ÷ 48 V
- Output: 0,5 ÷ 4,5 V
- Signal: single/double
- IVS: NO/NC/absent

Ideal solution for electric motor's vehicles. The internal mechanics is simple and robust; it doesn't contains micro-switches and other parts subjected to mechanical wear.

Hand controls

Praxis



- Programmable Hall effect

- Supply Voltage: 5V/12 ÷ 48 V
- Output: 0,5 ÷ 4,5 V Signal: single/double
- IVS: NO/NC/absent

Suitable for operating under hard conditions, especially in environment subjected to strong vibrations and exposure to external agents.



- Programmable Hall effect

- Supply Voltage: 5V/12 ÷ 48 V
- Output: 0,5 ÷ 4,5 V
- Signal: single/double
- IVS: NO/NC/absent

Suitable for mounting on dashboards with tight installation spaces and uniform design.



- Programmable Hall effect

- Supply Voltage: 5V/12 ÷ 48 V
- Output: 0,5 ÷ 4,5 V
- Signal: single/double
- IVS: NO/NC/absent

Designed to ensure maximum reliability for all electrically powered vehicles endowed with wheelhouse.

Axios



- Programmable Hall effect

- Supply Voltage: 5V/12 ÷ 48 V
- Output: 0,5 ÷ 4,5 V
- Signal: single/double
- IVS: NO/NC/absent

Designed for all vehicles and machinery that require a side lever for the motor and/or hydraulic pump RPM control.

