SENTINEL

INDUSTRIAL SAFETY

The **SENTINEL** system comes from the be visualized on a **dashboard**. need to develop an extremely precise monitoring technology for the fast identification of possible malfunctions or **accidents**, such as toxic gas leakages in chemical plants. The two robots composing this system, an **aerial drone** All information acquired are also saved (Cart), acquire data in real time that can activities.

Notifications about events are sent via the system app, available even for smartphones and tablets.

(Horus) and a robot on a fixed track in a database and used for prevention



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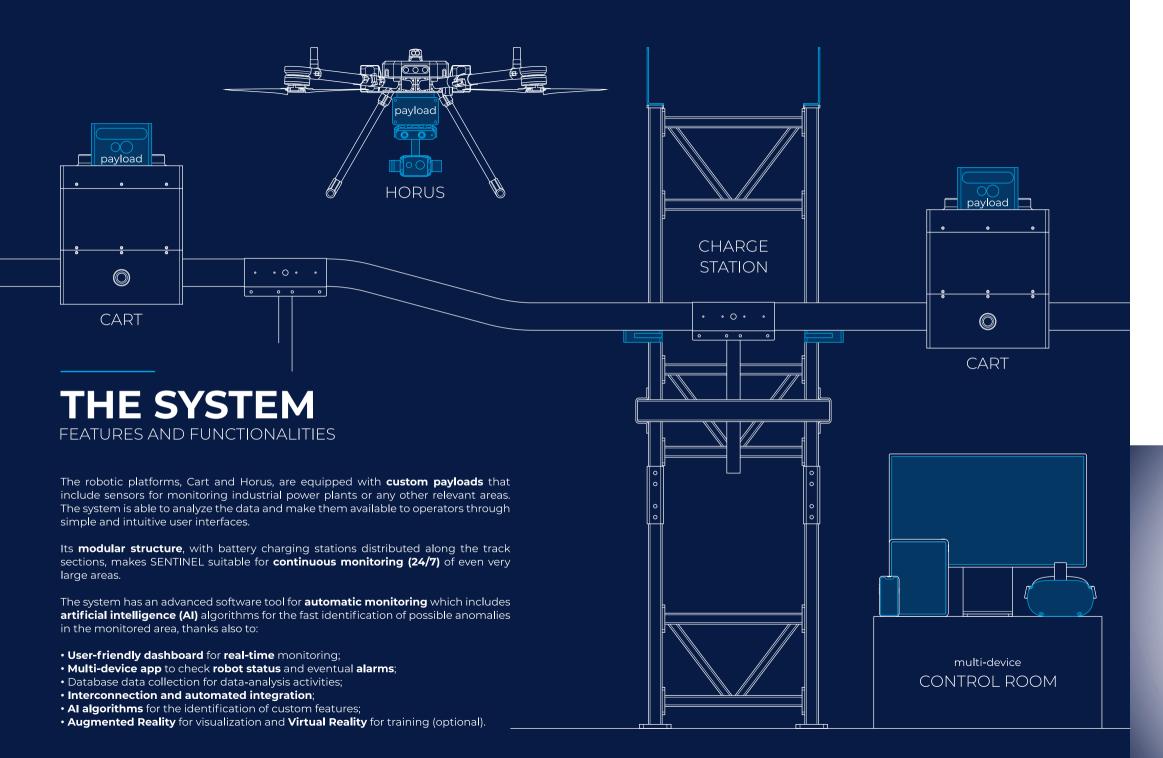












HORUS

MULTI APPLICATION REMOTE MONITORING

Horus is a **quadcopter** capable of carrying payloads of up to **10 kg**, with high flight performance and endurance. It features a 4-motor design with a structure made from composite materials, engineered FDM plastics, and aluminum.

Field of Applications:

- Laser reconstructions or treatments in agricultural and forestry sectors;
- Logistics 4.0;
- Risk Management: nuclear, chemical, civil protection;
- Industrial and Environmental monitoring.

The drone's design includes four **CFRP** (Carbon-fiber reinforced polymer) arms equipped with 28 inches propellers and a central body made of **aluminum** and **Onyx** (Micro carbon fiber filled Nylon) inserts.

The foldable arms, easily collapsible through a quick-release connection, are the result of a blend of traditional engineering design for high-precision mechanical parts, electronic analysis for power and signal connections, and innovative structural design associated with 3D printing.

