

GENERAL CATALOGUE 2026

CLEAN HIGHER. SAFER. FASTER.

Commercial and industrial cleaning services, professional equipment and integrated mobile systems.

SERVICES | EQUIPMENT | MOBILE SYSTEMS

Prague - Projects across Europe

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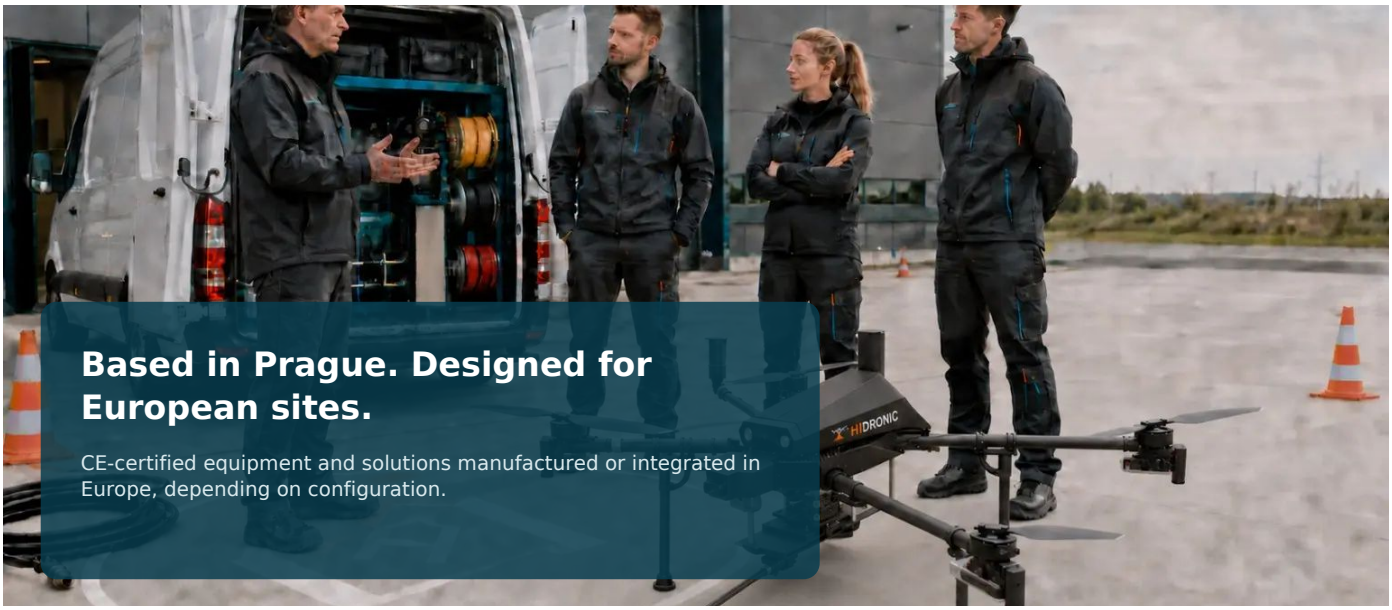
WHO WE ARE

A specialist integrator, from assessment to commissioning.

HI-DRONIC combines aerial and robotic cleaning, water treatment and mobile stations for commercial and industrial sites. We assess material, soiling, access and operations before selecting the method.



Based in Prague. Designed for European sites.

CE-certified equipment and solutions manufactured or integrated in Europe, depending on configuration.

01

One accountable partner

From the first assessment to documented handover.

02

Surface first

Material, soiling and access determine the method.

03

Field-ready integration

Drone, robot, water, hoses and transport work as one system.

SERVICES 1/2

The right tool for every surface.

From one building to a site portfolio, each intervention is planned around the surface, water, access and operating constraints.



Glass façades

Glass, metal, concrete and compatible finishes. Water quality and pressure selected for the result.



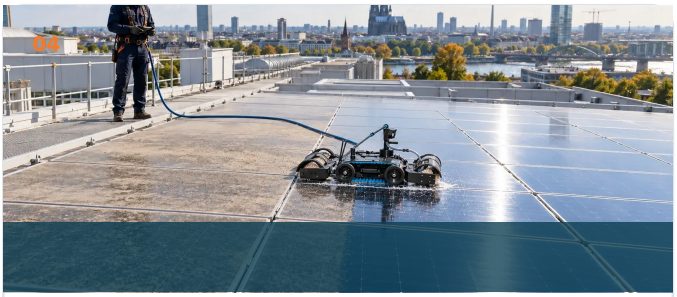
Warehouse cladding

Industrial and logistics envelopes with access, run-off and operations planned in advance.



Roofs

Targeted treatment of moss and deposits according to material and drainage.



Rooftop solar

Robotic brushing and purified water where the module-maker's instructions allow.

Illustrative visuals. Results depend on the surface, local testing and approved method.

SERVICES 2/2

The right tool for every surface.

From one building to a site portfolio, each intervention is planned around the surface, water, access and operating constraints.



Solar farms

Maintenance adapted to layout, exposure, soiling and module instructions.



Graffiti and municipalities

Local test to select product, heat or pressure on compatible surfaces.



Industrial floors

Ground equipment for suitable yards, docks, traffic areas and floors.



Factories and structures

Cladding, silos and hard-to-access structures after site qualification.

Illustrative visuals. Results depend on the surface, local testing and approved method.

OUR METHOD

From first conversation to final report.

Every step is planned, controlled and documented according to the project scope.

01

Listen

Priorities, surfaces, timing and constraints.

02

Assess

Material, soiling, access, water and risks.

03

Design

Method, scope, equipment and proposal.

04

Deploy

Secure work zone, mobile unit and cleaning.

05

Verify

Inspection and before/after documentation where agreed.

CONVENTIONAL ACCESS

Depending on the site, scaffolding, rope access or lifts may require more setup and work at height.

- Potentially long setup
- More work at height
- Work zones may disrupt operations
- Costly access on some geometries

HI-DRONIC APPROACH

Drone, robot or ground tool is selected only when conditions allow a safe, suitable intervention.

- Ground-controlled application
- Mobile station matched to access
- Configured water quality and pressure
- Method and reporting agreed before work

POWERED BY HI-DRONIC

MAX1

Compact LP / HP drone compatible with tethered use - Rev.06 reference

Compact platform for controlled application on façades, roofs and photovoltaic assets. Camera, ground control, RTK and a surface-matched cleaning head.



Airframe	1,140 mm diagonal - 870 mm without propellers - 400 mm high
Mass	2.8 kg empty - 4.3 kg with batteries, without accessories
MTOM / payload	6.4 kg / up to 3.6 kg including batteries
Maximum pressure	110 bar supported at the aircraft
Speed / wind	5 m/s maximum ground speed - 5 m/s maximum wind
Operating envelope	5 to 40°C - below 1,500 m ASL
Positioning	GNSS + RTK - stated below 50 cm with correction
Payload power	30 W maximum
Control and safety	HD supervision, telemetry and independent emergency stop
Typical missions	Roofs, façades, PV modules and targeted exterior treatment

Values documented in the MAX1 Rev.06 manual. Battery, load, nozzle, tether, class marking and flight authorisation are confirmed for each configuration and mission.

POWERED BY HI-DRONIC

MAX2

Professional multi-mode LP / HP drone - platform offered for sale

Hose-fed platform with configurable low- and high-pressure tools, HD supervision, dual RTK and a safety chain. Aircraft, nozzle, hose, pump and station are validated as one system.



Airframe	1,140 mm diagonal - 870 mm without propellers - 400 mm high
Mass	2.8 kg empty - 4.3 kg with batteries, without accessories
Maximum mass	6.4 kg at take-off
Pressure limit	120 bar at the aircraft with validated hose and nozzle
Speed / wind	5 m/s maximum ground speed - 5 m/s maximum wind
Operating envelope	5 to 40°C - below 1,500 m ASL
Indicative endurance	Approx. 50 min unloaded - 30 min LP - 20 min HP
Positioning	Dual RTK, HD video and portable control station
High-pressure kit	Remote tilt, 5 fan nozzles, rotary nozzle, 25 m hose
Low-pressure kit	Multi-jet boom, remote pump and configuration-dependent hose release
Safety chain	FTS, motor cut-off, parachute and emergency stops depending on configuration
Delivery	System tests, operator training, documentation and support by quotation

The station may be designed up to 200 bar, but the documented aircraft limit is 120 bar. Endurance, reach, kit contents and local authorisation are confirmed in the bill of materials and acceptance tests.

POWERED BY HI-DRONIC

SOLARBOT

Compact tracked photovoltaic robot - dual brushing

Compact robot for repeatable maintenance of compatible rooftop or ground-mounted photovoltaic systems. It combines adjustable brushes, tracked movement, telemetry and purified water.



Mass	7 kg
Dimensions	60 x 40 x 15 cm
Indicative capacity	Up to 800 m²/h in suitable conditions
Indicative endurance	Up to 1.5 h
Speed	Up to 5 km/h
Indicative slope	30 to 35% depending on the installation
Navigation	GPS with dual RTK - stated precision up to 5 cm
Brushes	Front and rear, adjustable pressure and rotation speed
Adaptation	Interchangeable tracks for compatible surfaces
Safety	Fall detection with automatic stop
Supervision	HD video, telemetry, LED and remote support
Energy / water	16,000 mAh battery - purified-water feed

Output, slope, traction, brush contact and water settings depend on modules, anchors, weather and a local test. Panel-maker instructions prevail.

POWERED BY HI-DRONIC

HI-BRUSH

14 m telescopic carbon pole - electric rotary brush

Ground-operated professional system for photovoltaic modules, cladding, glazing and other compatible smooth surfaces. The pole, brush, adjustable head and low-pressure water feed form one portable package.



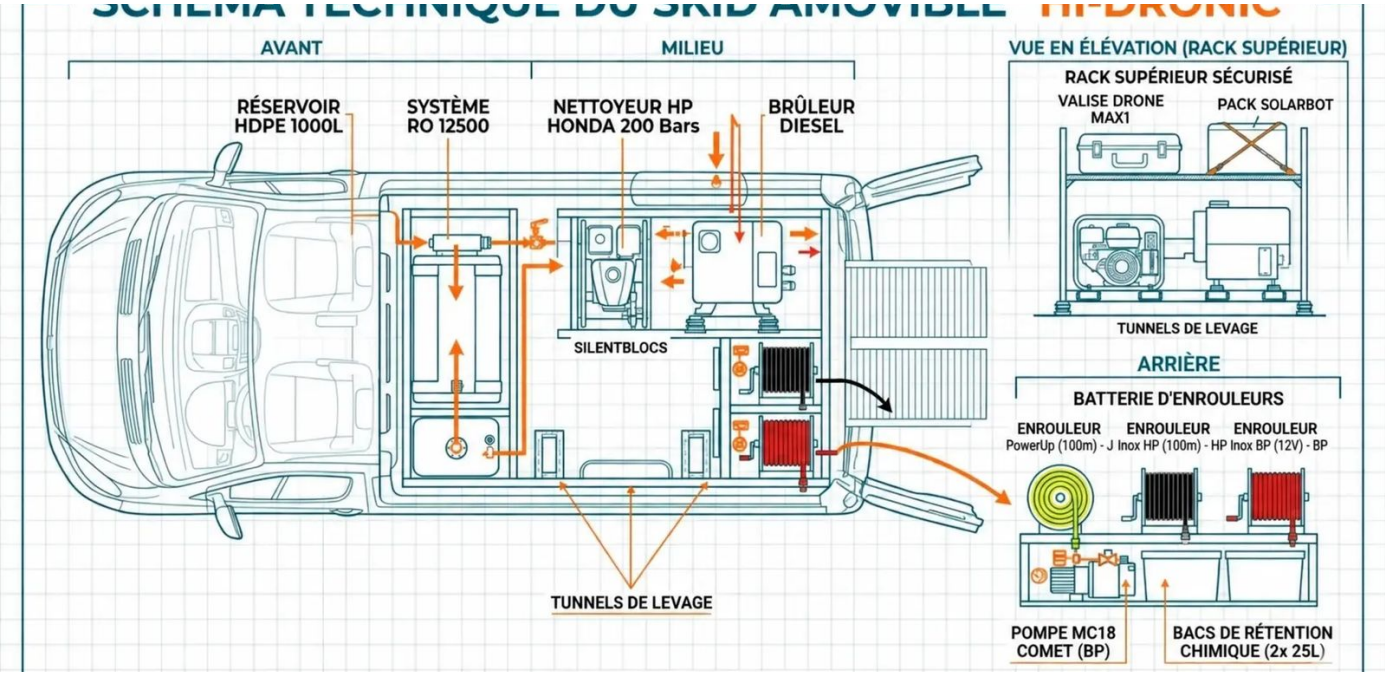
Maximum length	14 m extended
Transport length	2 m closed
Construction	Lightweight high-grade carbon-fibre pole
Cleaning head	Electric rotary brush for compatible smooth surfaces
Control	Adjustable speed and rotation direction
Head positioning	Adjustable MULTI-TOOLS support with rotary knob
Water feed	15 m low-pressure spray hose
Power supply	220 V or 24 V power box - battery not included
Applications	Solar panels, façades, cladding, glazing and high-access work
Supply	Professional equipment package offered by HI-DRONIC

Technical specifications and the product image are provided for information. Pole-tool compatibility, access, power, panel-maker instructions and a safe working method must be confirmed before ordering and use.

MOBILE STATION

The hydraulic core of the ecosystem.

A configurable station supplies each tool with the right water quality, flow, pressure, temperature and chemistry.



PURE	BIO	POWER	HOT	BRUSH
RO + DI	Dosing	High pressure	Up to 90°C	Robot / pole

Water reserve	Up to 1,000 L when vehicle payload allows
Treatment	Prefiltration, reverse osmosis and deionisation as required
Pressure	LP / HP circuits sized per tool - station up to 200 bar if approved
Hot water	Up to 90°C on compatible circuits only
Formats	Removable skid, van, enclosed trailer or custom platform
Integration	Pumps, reels, controls, power, containment, safety and acceptance

Concept layout, not a manufacturing drawing. Components, dimensions, anchors, axle loads, chemistry and tests are specified in the quotation and confirmed at acceptance.

MOBILE SYSTEMS

Designed around the vehicle and workflow.

Every layout prioritises service access, safe transport and fast deployment.



Removable skid

Compact, serviceable module for a suitable pickup, flatbed or ground base.



Commercial van

Protected interior with reels, storage and a dedicated equipment zone.



Enclosed trailer

Self-contained station, weather-protected and accessible from several sides.



Custom platform

Hydraulic packages adapted to special vehicles and mixed operations.

CONFIGURATION

A starting point, followed by project validation.

The platform, mobile format and cleaning modes are selected together. Payload, pressure, water, safety and regulations are checked before quotation.

Platform	PURE	BIO	POWER	HOT	BRUSH
MAX1	●	●	By kit	By circuit	-
MAX2	●	●	●	●	By tool
SOLARBOT	●	-	-	-	●
HI-BRUSH	●	-	-	-	●
Ground tools	●	●	●	●	●

AVAILABLE FORMATS

- Removable skid for transfer between vehicles or use on a dedicated base
- Protected van with service access, storage and organised hose deployment
- Self-contained enclosed trailer with complete layout and multi-side access
- Custom platform for special vehicles or combined drone-robot-ground workflows

INCLUDED ACCORDING TO QUOTATION

Assessment, design, mechanical and hydraulic integration, controls, accessories, safety labelling, acceptance tests, commissioning, training and support.

ONLINE ESTIMATOR

Pre-measure, compare, then request a tailored quotation.

The website tool combines country, currency, surface, soiling and method. An address can be analysed using public map data to provide a preliminary measurement.



AVAILABLE CHOICES

- France, Czech Republic, Slovakia, Poland, Spain and Germany
- EUR, CZK et PLN
- Glass, solar panels, façade, cladding, graffiti and roof
- Light, medium or heavy soiling

CLEANING METHODS

- Simple LP / HP wash with untreated water
- Wash with treated or purified water
- Pure water with a suitable product
- High pressure and hot water up to 90°C
- Treatment and moss removal

IMPORTANT

The estimate is indicative and is not a binding quotation. It guarantees neither the method nor a lower price than every competitor. VAT, travel, permits, complex access, water, containment and unusual risks are excluded.

Try the estimator on hi-dronic.com

PARTNERSHIPS

Let's develop your market together.

You lead the customer relationship or local operation. HI-DRONIC supports selection, integration, training and support according to the agreed responsibilities.

01

Commercial partner

Opportunity introduction and qualification. Scope and remuneration by mandate.

02

Reseller

Sales to your customer base with agreed pricing, training and support.

03

Distributor

Market development with territory and local service defined by contract.

04

White label

Your brand on an agreed solution, with attribution according to the agreement.

05

Franchise / master

A dedicated project for brand, method, training and territory.

This catalogue grants no automatic exclusivity, territory, royalty or remuneration. Each collaboration is subject to a separate agreement.

YOUR PROJECT

LET'S DISCUSS THE SITE, THE SURFACE AND THE RESULT.

Send the address, a few photos, the approximate area, the type of soiling and the preferred period.

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Technical data is indicative and must be confirmed in the quotation, bill of materials, applicable manuals, acceptance tests and local authorisations.