

ROVION®

FOR MORE EFFICIENT INSPECTIONS

- ✓ Modular inspection system from DN100
- ✓ Compact design and light weight
- ✓ Toolless crawler retrofitting



IPEK

COMPACT AND POWERFUL



MORE THAN 5,000 ROVION SYSTEMS IN OPERATION WORLDWIDE

The scalable ROVION sewer inspection system is user-friendly, field-proven and fully compatible. More than 2,000 RAX300 cable reels and 3,000 RX130 crawlers already enthuse their users in daily use, even in ATEX zones. Depending on the configuration, the high-quality components allow the inspection of pipe diameters from DN100 to DN2000. The wide range of accessories is particularly convincing, allowing you to master any inspection task without any problems. The robust design and the Quick Change Design stand for low downtimes and low set-up times on the construction site as well as for ease-of-use by iPEK. The continuous further development such as the ROVION SAT II ensures a permanently modern inspection system.

MORE EFFICIENT INSPECTIONS

- ✓ Low downtimes due to robust design
- ✓ Low idle times due to toolless retrofitting (QCD)
- ✓ Wide range of accessories to master all inspection tasks

CRAWLERS FROM DN100 TO DN2000



SAFE IN EX-ZONES



Maximum possible safety in potentially explosive zones

- ✓ ATEX ZONE 1 approval
- ✓ Permanent pressure monitoring



Ex-protected inspection systems



FROM MOBILE SYSTEM TO VEHICLE

GETTING STARTED MADE EASY

iPEK START

Easy and safe start into inspection technology

- ✓ Basic system can be extended to an inspection vehicle at any time
- ✓ VC500 Control Panel with VisionReport for crawler and pushrod systems



START

Flexible Starter Solutions



INSPECTION SYSTEMS FOR MOBILE USE

iPEK MOBILE

Mobile solution for a fully-fledged inspection system

- ✓ Application range from DN100 to DN1000
- ✓ Mobile use with automatic cable reel (300m)
- ✓ VC500 Control Panel with VisionReport for crawler and pushrod systems



MOBILE

Mobile Inspection Systems and Crawler Systems



READY FOR ALL TASKS

iPEK TRUCK

All aboard!

- ✓ Push system and crawler system in 3.5 ton vehicle or bigger
- ✓ Sewer inspection from DN50 to DN2000
- ✓ Inspection range up to 500m
- ✓ Inspections of laterals with ROVION SAT II
- ✓ Inspection software-independent, compatible with leading brands such as WinCan and Haite



TRUCK

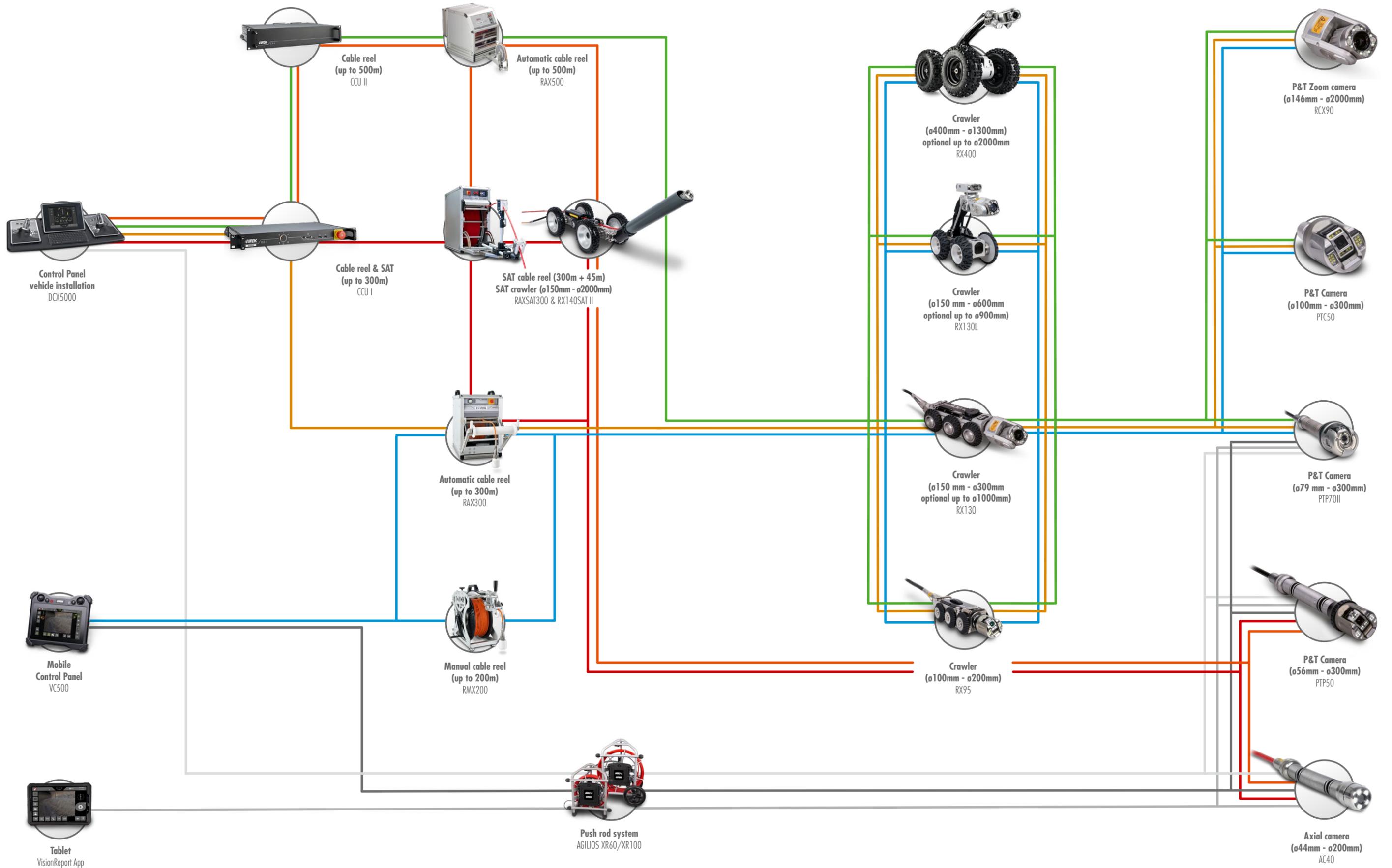
Complete systems, vehicle equipment, municipal applications

CONTROL PANELS

CABLE REELS

CRAWLERS

CAMERAS



QCD® - QUICK CHANGE DESIGN

The components of the scalable and user-friendly ROVION sewer inspection system can be combined modularly to your personal inspection requirements to form one system. With the iPEK Quick Change Design QCD, system components can be easily connected to each other without tools and in just a few steps. The QCD and the individually pressure-encapsulated system components guarantee uncomplicated system retrofitting, short set-up times and user-friendly service. With the ROVION system, you save time by setting up the inspection system more efficiently.

- ✓ Time-optimized inspections due to short retrofitting times
- ✓ Easy and quick retrofitting of the inspection system
- ✓ Lower downtimes due to uncomplicated service

EXAMPLES OF CRAWLER CONFIGURATIONS

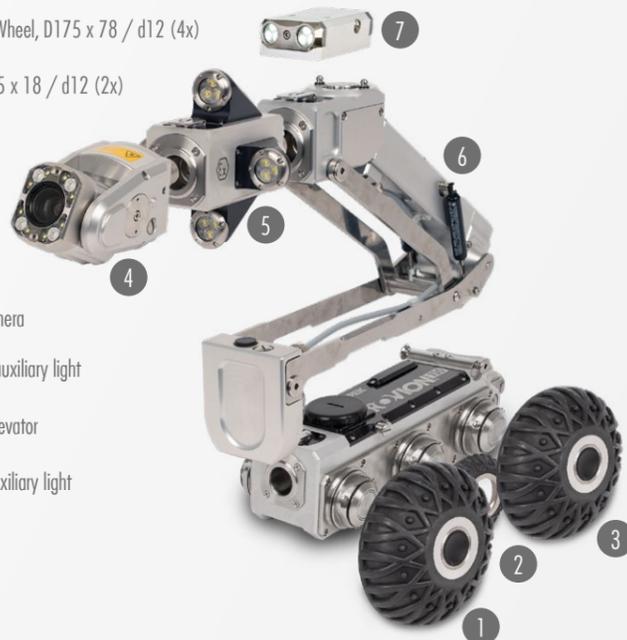
DN150 TO DN200 CRAWLER CONFIGURATION

- 1 Wheel, D85 x 18 / d12 (6x)
- 2 RCX90 camera



DN325 TO DN600 CRAWLER CONFIGURATION

- 1 & 3 Wheel, D175 x 78 / d12 (4x)
- 2 Wheel, D85 x 18 / d12 (2x)



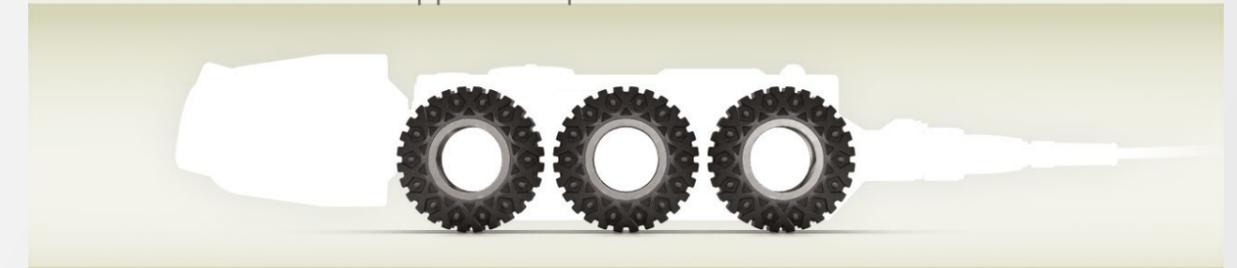
- 4 RCX90 camera
- 5 RAL1000 auxiliary light
- 6 RED200 elevator
- 7 RAL200 auxiliary light

CONVERT TO DN600 IN 5 MINUTES THANKS TO QCD

DIFFERENT WHEELS FOR DIFFERENT PIPES

Be perfectly equipped for any pipe condition without damaging the pipe. We offer 3 different types of wheels for you to choose from:

RUBBER WHEEL cleaned pipe · solid deposits



Plastic · Tubular liner · Clay · Concrete · Masonry · Steel · Cast iron

ELKA WHEEL Grease · Sewer biofilm



Plastic · Clay · Concrete · Masonry · Steel · Cast iron

HMS WHEEL suitable for all surfaces

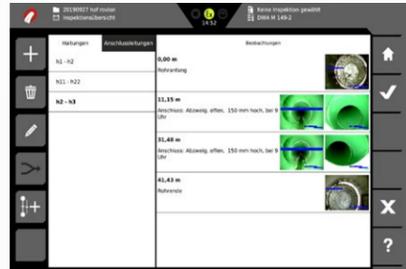


Concrete · Steel · Cast iron

VISIONCONTROL VC500

The multifunctional, portable control panel for the iPEK AGILIOS push camera and iPEK ROVION crawler inspection system is characterized by its low weight and ergonomic shape for optimum user-friendliness and enables catalog-based inspection. You can send your inspection reports, including inclination and diameter measurements, directly to the WinCan Web* cloud platform via WiFi and your documentation is also available in the office in no time using an Internet browser.

You can operate both the ROVION crawler and the AGILIOS push camera inspection system with the VC500.



Inspection overview on the VC500



Measurement tools on the VC500



Inspection report preview on the VC500



Upload to WinCan Web cloud platform

The integrated, fold-out stand allows the control panel to be placed on a table in the inspection vehicle, for example, and secured against slipping by means of an optional bracket.

For ergonomic work on the table, it is also possible to rotate the control panel by 180° so that the joysticks are at the bottom.



MOBILE AND UNCOMPLICATED OPERATION OF YOUR INSPECTION SYSTEM

Document the whole inspection process via touchscreen, comment on videos and create standard-compliant reports at the push of a button.

- ✓ Suitable for daylight and construction sites (protection class IP55)
- ✓ Easy data exchange (USB, WiFi & LAN)
- ✓ Documentations in accordance with applicable standards (ATV, DWA, Isybau etc.)
- ✓ Modularly extendable software
- ✓ Touch operation



DESKTOP CONTROL DCX5000

Be perfectly equipped for all inspection tasks, thanks to the multifunctional control panel with an ergonomic design for fatigue-free working. The compact or individual arrangement of the controls at the workstation enables maximum operating comfort and the easy-to-grip 3-axis joysticks with push function ensure very precise control of the crawler and the camera.

- ✓ All important controls located within "finger reach" for quick inspections
- ✓ Touchscreen monitor for an optimal overview of the system status and for operating the system
- ✓ Current interfaces on the CCU I control unit "on board"



DCX5000 compact version



DCX5000 modular version

SOFTWARE-INDEPENDENT WITH THE IPEK CONTROL PANELS

All control panels have a CVO interface for the communication with other sewer inspection software such as WinCan or Haite. This interface can be used, for example, to control the data overlay, to set meter counter values or to read and transmit values such as temperature, pressure etc.

The DCX5000 is always operated in combination with the inspection software, as this is the only way to create projects and perform standard-compliant inspections. The VC500, on the other hand, already has an inspection software called VisionReport. Subsequently, the associated interface here also offers the possibility to post-process the inspection report on the PC with an inspection software. With our control panels, the inspector thus has the freedom and possibility to work with the inspection software he is used to.

Thus, with our inspection systems, you are not dependent on a specific inspection software.



WinCan VX Software



HAITE K2000 Software

ROVION RX130L

SETUP ONCE AND INSPECT DIFFERENT PIPE DIAMETERS

Application range in the sewer from DN150 to DN900

With the RX130L, we offer an integrated elevator. This increases productivity because no inspection interruptions are necessary when changing pipe diameters, even for standard-compliant inspections.

You save time and money and inspect pipe diameters from DN150 to DN500 without retooling.

70% of the sewage networks are from DN150 to DN500.

INSPECT CHANGING PIPE DIAMETERS WITHOUT SETUP INTERRUPTIONS

- ✓ Inspect sewers from DN150 to DN500 without setup changes or changing wheels
- ✓ No readjustment of the elevator position due to automatic height compensation in case of unevenness or obstacles in the sewer
- ✓ Catalog-based standard inspection in changing pipe diameters
- ✓ Toolless setup and change of components - without pressure loss



LOWER RISK OF TIPPING DUE TO EVEN LOWER CENTRE OF GRAVITY

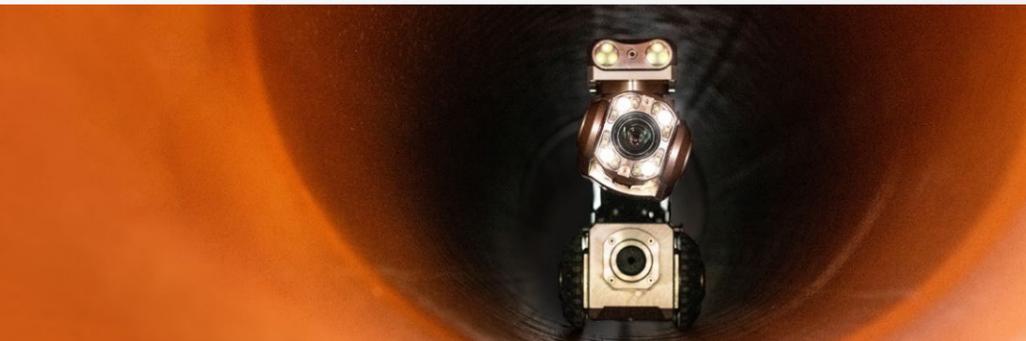
- ✓ Drive more safely and further thanks to higher weight and lower centre of the crawler
- ✓ Overcome obstacles easily with powerful all-wheel drive
- ✓ Avoid easy obstacles thanks to steerable 6x6 all-wheel drive



COST-EFFECTIVE AND QUICK UPGRADE

Upgrade your existing RX130! With our RED130L upgrade kit your existing RX130 is transformed to RX130L in no time.

Contact your local iPEK sales or service partner.



ROVION ACCESSORIES

Thanks to their wide range of accessories, ROVION systems can meet all sewer inspection challenges and, thanks to QCD, are quickly ready for operation without tools.

Special cameras

DSIII Fisheye camera	ø200mm - ø1000mm
RAC50 Axial camera	ø100mm - ø200mm



DSIII



RAC50

Auxiliary lights

RAL130	ø200mm - ø600mm
RAL200 with rear view camera	ø200mm - ø600mm
RAL1000	ø600mm - ø1000mm



RAL130



RAL200



RAL1000

Manual cable reels

RMX100	up to 100m
RMB150	Extension reel 150m



RMX100 with optional RX95 and VC500



RMB150

Crawler extension

RED200 Elevator	ø300mm - ø600mm
RCR1000 Carriage	ø600mm - ø1000mm
EXT400 Elevator extension	ø1300mm - ø2000mm



RED200



RCR1000



EXT400

Special accessories

RCC90 Camera adapter	ø90mm - ø2000mm
RTS Temperature sensor	ø96mm - ø500mm
LSS Laser shape scanner	ø150mm - ø500mm



RCC90



RTS



LSS

Mobile accessories



Remote Control



Mobile emergency-off button

YOUR IPEK SERVICE AND SALES



We are close to our customers thanks to our partners. More than 80 service and sales stations worldwide make us international manufacturer of sewer inspection technology.

Our partners are part of our iPEK family. The cooperation with our partners reaches mostly from the early years until today. This is how trustful partnerships for us and our worldwide users have developed. Sewer inspection technology is exposed to the toughest conditions in sewers and therefore our worldwide service network is important for the international sewer industry.



iPEK International GmbH · See, Gewerbepark 22 · 87477 Sulzberg · GERMANY

☎ + 49 (8376) 92180 0 📠 + 49 (8376) 92180 21 ✉ isg_info@idexcorp.com 🌐 www.ipek.at

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