

UMWELTECHNIK FRANZ JANßEN GMBH

Umwelttechnik Franz Janßen GmbH was founded in 1969 by Franz Janßen and is a provider of trenchless sewer renovation, pipeline inspection and sewer cleaning. Since 2007 Niklas and Anja Janßen have been the owners and managers.

As a family business with decades of experience we are a competent and reliable service partner regarding project planning and implementation all around the maintenance and renovation of the sewer network of our customers. Quality, service and reliability are our top priority.

„Great live video transmission and the easiest system on the market. It works with every jetting vehicle.“

Niklas Janßen

CEO of Umwelttechnik Franz Janßen GmbH



This photo was taken during a cleaning operation in a DN 600 pipe.

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XPECTION®

User report



 Umwelttechnik
Franz Janßen GmbH
Rohr & Kanal

Our customers are informed that each of our jetting vehicles is now able to create videos of a section if required. The result is that our customers gladly accept the system and have already used it in numerous cases with operational issues in the section. The system has a small design, can be transported by every jetting vehicle and is extremely easy to operate so that every driver of a jetting vehicle can start operating the system very quickly.

The XPECTION system was created to offer our **customers an additional value** for the sewer cleaning service regarding the following parameters:

- **Fast response when providing video data of problems during the sewer cleaning process**
- **Better detectability of the cleaning performance**

The system is characterized by its very easy application. The quick upgrade at every jetting vehicle is unique. The system can be flexibly installed to every jetting vehicle and used a few minutes later.

 IPEK

 IDEX

MEMMINGEN

XPECTION®

User report

FACTS AND NUMBERS OF MEMMINGEN

Country	Germany
State	Bavaria
Population	approx. 43.000
Area	70 km ² (27 sq mi)
Water	52 ha (0,2 sq mi)
Sewer network	302 km (188 miles), currently annual sewer cleaning
Sewer cleaning strategy	From periodically to demand-based

„The system demonstrates the actual need for cleaning very well and enables the operator a precise adjustment of the cleaning process immediately.“

Rene Stolp,

Sewer maintenance of the public sewer system



Stadt Memmingen



With a constantly growing sewer network the tasks in sewer maintenance increase. Demand-oriented cleaning strategies contribute to the value preservation of the sewers.

A visualization of the cleaning process provides an incentive for the cleaning staff to sensitively handle the sewers.

The digital documentation of the cleaning intervals has many advantages. Through the “seeing nozzle” the capacity of a jetting vehicle is multiplied. Determining the need for cleaning, carrying out the cleaning process and an immediate quality check with one system save the sewer network operator time and money.

The XPECTION system was purchased to guarantee **a demand-oriented cleaning process with live camera observation.**

- Better reaction to existing damages
- Reduction of two permanently used vehicles to only one vehicle used on-demand

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VIENNA, WIEN KANAL

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User report

FACTS AND NUMBERS OF VIENNA

Citizens	1,97 millions
Sewer network	2500 km
Connected households	99,7 %
Daily removed depositions	15 tons
Used jetting vehicles	10

„The visualization during the cleaning process increases the efficient application of resources“



15 tons of deposited material is transported out of the sewers daily. The sewer system is regularly cleaned and inspected to enable the citizens the highest possible quality of life. So far, the cleaning process was carried out without being able to see anything in the sewer, the visualization during the cleaning process enables a considerably more effective use of resources.

The assembly and the handling of the XPECTION system are simple and fast. Through the live video transmission and the recording of the cleaning process this innovative sewer cleaning system offers the following advantages:

- active and selective intervention to the cleaning success
- better reaction and documentation of existing damages

Especially for the pre-cleaning before the CCTV inspection the XPECTION system is perfectly suitable as it ensures that the sewer is definitely clean and thus perfectly passable. As a result, resources can be used more effectively and purposefully.

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ULM, DISPOSAL BUSINESSES

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User report

FACTS AND NUMBERS OF ULM

Federal state	Baden-Wuerttemberg
Citizens	Approx 120,000
Area	119 km ²
Sewer network	600 km, demand-oriented sewer cleaning strategy
Used jetting vehicles	8

„This technically high-quality product impresses in our daily work process.“



EBU

Entsorgungs-Betriebe der Stadt Ulm

Sewer cleaning is a very complex and situational work area. The demands on employees are very high. The possibility to monitor their work is supposed to help employees to improve their work and, at the same time, save water and fuel through an increased efficiency.

A simple visual inspection between the CCTV inspection intervals helps to maintain the sewer system and keep interruptions during the operation as low as possible.

- High level of employee satisfaction
- Good operational process and few interruptions
- Protection of the whole sewer system through ideal cleaning intervals

The XPECTION sewer cleaning system is supposed to facilitate the work of employees and make it more sustainable. The design and handling are easy and intuitive. Every jetting vehicle can be equipped with a system within minutes.

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IPEK

IDEX