

IKT introduces: New Member TOA, Japan

IKT introduces TOA GROUT KOGYO
Co., Ltd., Japan, as a new
member of the IKT-Association of Industry and Service.



Sewer pipe rehabilitation with
SEAMLESS LINER. Host pipe:
DN600, Length: 70m; Wall
thickness: 14mm

TOA was established in 1958, at the early stage of high economic growth period of Japan. Sewer pipe rehabilitation with SEAMLESS LINER has become the core business for TOA in the last few years. In 2014 TOA has installed 15.000 m of its SEAMLESS LINER.

Soil and Sewers

In 1958 the first core business field was soil strengthening with chemical grouting method and contributed to the construction of underground structure such as subway transportation network. In the 1980's, TOA entered into the second core business field of slope protection with the ground anchoring method utilizing its experience of soil strengthening technology. It introduced new methods into this field, such as

PUC method, ground anchoring combined with prefabricated bearing plates for slope protection, and RING-NETS barrier made with high-tensile steel wire mesh for rock fall protection.

We are very excited to become a member of IKT, and looking forward to working with IKT and the other members.

Yuzo Ooka, President of TOA GROUT KOGYO Co., Ltd.



High tensile steel mesh barrier for rockfall protection. Energy absorption: 150hj, Height: 4m, Length: 65m

Moreover, TOA also recognized the potential growth of rehabilitation and maintenance of infrastructure, and entered into the third core business field of underground pipeline rehabilitation. It has introduced many new technologies such as SEAMLESS LINER (UV curing CIPP liner), SNAP LOCK (partial repair method of joints and cracks), SmartBall (water leakage detection with acoustic emission), ICE PIGGING (pipeline cleaning with slush ice) and PRIMUSLINE (high-strength flexible hose) into this business field in Japan.

Contact

TOA GROUT KOGYO Co., Ltd.

2-10-3 Yotsuya, Shinjuku-ku, Tokyo 160-0004 JAPAN

Phone: +81-3-3355-6200

Fax: +81-3-3355-6201

E-mail: inquiry@toa-g.co.jp

Website: www.toa-g.co.jp

IKT-Association of Industry and Service

This association comprises the range of organisations in network operators supply chains including those in construction, product supply, engineering consultancies, specialist service providers, and institutes and organisations, without whose products and services pipelines could not be constructed, renovated or operated.

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IKT test centres reaccredited



IKT's test centre for building products in Gelsenkirchen has been reaccredited.

Following the new provisions concerning accreditation in Germany, IKT has now had its building-product test centre in

Gelsenkirchen reaccredited, and that in Arnhem (Netherlands) accredited for the first time. The IKT test centres have thus given unequivocal proof of their competence, as is documented under DAkkS (German National Accreditation Body) accreditation number D-PL-18196-01-00.

CIPP liner testing – and more!

The IKT provides quality-assuring, practically orientated product and system tests, plus on-site supervision services, for system operators. Testing of samples of CIPP liners accounts for a large proportion of the institute's work. The accredited building-product testing, auditing and certification centres operated by the IKT and IKT Nederland in this field perform, inter alia, the following tests:

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About IKT Test Centre for Building Products

IKT Netherlands: New contact in the Netherlands



Making new contacts: Peter

Brink (2nd from left), head of IKT Netherlands, talking to guests at the opening ceremony

IKT has now founded a branch at Arnhem, in the Netherlands: IKT director Roland W. Waniek and branch manager Peter Brink recently celebrated the opening of “IKT Nederland”. Dutch and Flemish drain/sewer system operators thus now have a new contact for all matters concerning drain and sewer operation. This new IKT centre provides technical engineering advice, organises relevant events, and is the first accredited test centre for CIPP liners in the Netherlands.

Following its opening at the start of the year, the still young branch was able to achieve a major success the following summer: after intensive preparatory work, the IKT Netherlands test facility was officially accredited with “DAkkS”, Germany’s national accreditation body. “It is thus the first independent, impartial and accredited test facility for CIPP liners on the Dutch market”, enthuses Peter Brink, head of IKT Netherlands.

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[About IKT Nederland](#)

Connecting North America and Europe – Leveraging our mutual strength

by William Busch, SR/WA

adapted from Right of Way 01-02/2014 (IRWA)

The thought of exporting and integrating our Association's resources globally has economic and functional potential that is phenomenally exciting. As IRWA continues to expand its reach around the globe, the Association recently formalized a relationship with the Institute for Underground Infrastructure (IKT) in Germany, with the signing of a Memorandum of Understanding between our two organizations. We have already found our relationship to be very useful, learning much from our exchange of best practices and webinar sessions, as well as from both in-person and virtual meetings.



Reaching out

It all started four years ago when I was working for the San Diego County Water Authority and found myself in need of some technical data regarding potential tree root damage to underground pipelines. While conducting some research for her master's degree, my wife Marjorie Busch came across IKT and identified it as a potential information resource for me as well.

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[More about IRWA](#)

Handling of drainage-system water from private sites



Illegal drainage system connection to a public sewer

The discharge of site and drainage-system water into the public sewer network is expressly prohibited in the majority of waste-water regulations in North Rhine-Westphalia. In many municipalities there are, nonetheless, numerous such drainage connections. How, then, should this issue be handled at local level? A guideline drafted by the IKT and the NRW Municipal Agency (KommunalAgenturNRW) provides orientation.

There can be a range of reasons for connected water-drainage systems. It may be, for example, that a drainage system was actually intended only for the construction phase, but then remained connected “just to be on the safe side”. Or the drainage system might have been installed despite the ban on permanent drainage. Leaking building sewer laterals and site sewer laterals can also act as drainage systems. Why do the municipalities prohibit the discharge of ground and drainage-system water, and why is drainage-system water discharged, despite the ban?

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IKT research project on optimising sewer cleaning



There is still a need for discussion

We drive our cars through the car wash only when they're dirty – and that's totally logical. But many operators of wastewater systems continue to clean their drains and sewers to a fixed schedule. IKT has conducted a research project into the optimisation potentials of optimising sewer cleaning strategies.

Cleaning of sewers makes an important contribution to assuring the functioning of our drain and sewer systems, and accounts for a significant portion of the responsible municipalities' budgets. It is often the case, however, that system operators' resources are not used efficiently and/or that, due to inadequate knowledge of the current condition of the network systems, lengths are cleaned without this really being necessary. Many sectors are not, or only insignificantly, fouled when they are cleaned, for example, whereas other lengths exhibit heavy fouling. It is therefore possible to exploit potentials for optimisation and save costs by introducing an optimised sewer cleaning strategy, without

risking impaired operational safety and reliability by universally increasing cleaning intervals.

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