



And the winners are...



Company: Terra AG **Product:** Terra-Extractor 100
Category: Replacement
(Innovations of the year – small bore)

*The new
Terra-
Extractor
X 100
system from
Terra AG*



expander cone with the new HDPE pipe following behind. The old pipe may be cut/burst in the ground with the shards pushed to one side by the expander. A distance frame is included in the assembly for easy detachment of the arriving tools in the working pit. The system can operate over



*Dietmar Jenne,
Terra AG president*

WHILST for many years on-line pipeline replacement technology has looked at replacing pipe in the water distribution and sewerage sectors, there has always been a need for replacement with minimum disruption of house connections and other smaller bore pipes.

Over the past few years, systems have been introduced to cover this market area to some extent. In the past year, Terra AG released its version of such a system.

The Terra-Extractor X 100 is designed for pipe replacement in the 15-50 mm id range, including pipe materials from lead or PE and PVC.

The system operates by inserting a pulling cable through the old pipe and attaching a cutting tool and expander or pipe pulling set-up to the free end. To this is added the upsize

lengths up to 50 m, although longer lengths can be achieved if longer pulling cables are used. The maximum pulling force capacity of the rig is 100 kN (10 t).

With increasing call for less disruption to householders and local traffic during smaller-bore house-connection replacement work, this system (along with its sister rig, the larger Terra-Extractor X 300) has expanded the capabilities of the pipeline-replacement contracting market.