

## Lead pipe renewal in France

City:	La Loupe/France
Authority:	Lyonnaise des Eaux/France
Problem:	Renewal of house connections for fresh water
Length:	12 m
Old pipe:	Lead pipe 3/4" (DI 20 mm / OD 35 mm)
New pipe:	HDPE pipe OD 25 mm (1")
Machine:	TERRA-EXTRACTOR X 100
Underground:	Sand, gravel, stones



The TERRA-EXTRACTOR X 100 in the working pit. The operator stands besides the pit and controls the wire burster with the control station.



The beginning of the old lead pipe in the cellar is cut into 3 slices and fixed with the patented blocking system.



Then the 3-wing-cutter cuts the lead pipe easily with low cutting forces into 3 slices.

**Cable Burster (Cable Puller)  
TERRA-EXTRACTOR X 100**



**Pic. left:**  
12 m of old lead pipe are cut after 15 m (40 ft) minutes. Then the second pulling cable  $\varnothing$  8 mm (0.3") can be pulled in together with the connected HDPE pipe OD 25 mm (1").

**Pic. right:**  
The HDPE pipe OD 25 mm (1") is pulled in within less than 8 minutes. The PE pipe adapter OD 25 mm (1") allows an easy connection to the new HDPE pipe.



**Pic. left:**  
Nice to see: the old lead pipe cut into 3 slices. The HDPE pipe OD 25 mm (1") could be moved manually for another 1 m (3 ft).