



# Excellent work of the leak detection specialists in Dubai

## Correlux P-2 and HL 5000

### Correlator and ground microphone for pinpointing leaks

#### Description

The leak detection team in Dubai have become experts at detecting leaks with SebaKMT equipment. Leaks that are very close to each other are often hard to identify. But using the SebaKMT Correlux P-2 correlator they were able to locate two leaks neighbouring each other. The following excavation work showed how accurately they had pinpointed both leaks.

The correlator Correlux P-2 is used for leak location on pipes for portable water. Water escaping from a leak under pressure creates a noise which travels into both directions of the pipe. This noise is recorded by two sensors attached to the pipe (valves, hydrants), amplified and transmitted to the correlator. The Correlux P-2 compares both signals (correlation) and calculates the exact distance to the leak by use of the signal delay, the sensor distance and the sound velocity.

With the Hydrolux equipment HL 5000 you can find leaks particularly quickly, easily and reliably. The equipment uses modern digital signal processing technology to clearly recognise the leak sound, even when there is a lot of noise in the environment.

#### Project

Leak detection and repair work throughout the city of Dubai

#### Quantity

Complete set of leak detection instruments (correlators, ground microphones, noise loggers etc.)

#### Period

2012 - ongoing

