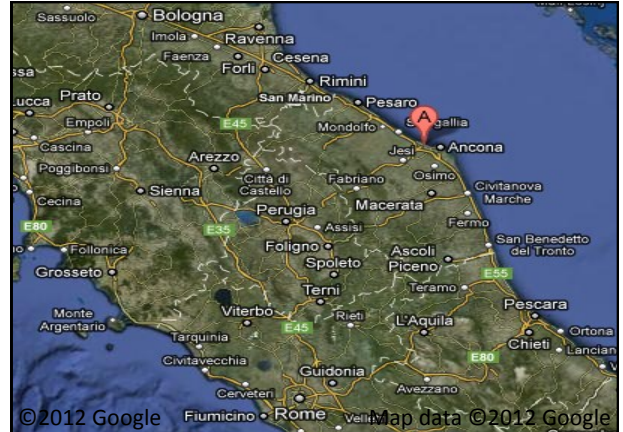


## CASE STUDY

# Hydraulic Barrier, Falconara (Italy)

<b>Client:</b>	Undisclosed
<b>Location:</b>	Falconara/ Italy
<b>Product:</b>	BoreSaver IKL, BoreSaver Ultra C Pro
<b>Project Description:</b>	The hydraulic barrier well for an industrial site in Falconara was contaminated with algae, calcium carbonate and iron bacteria
<b>Keywords:</b>	BoreSaver IKL, BoreSaver Ultra C Pro, hydraulic barrier, calcium carbonate, iron related bacteria



**“Following the treatment, pump output achieved 28m<sup>3</sup>/hr, up from 12m<sup>3</sup>/hr, an increase of 233%”**

The hydraulic barrier for an industrial site in Falconara was significantly underperforming, achieving only 12m<sup>3</sup>/hr with a drawdown of 8m. A downhole video inspection revealed algae, calcium carbonate and iron bacteria contamination which had clogged up the screen slots and the pump as well as reducing the quality and output of the water. The well is 400mm in diameter and 10.5m deep.

The pump was removed from the well which was then treated with IKL Pro, Ultra C Pro and caustic soda in pearls using a piston cleaning technique. The pump was cleaned using a large barrel filled with water and Ultra C.

Following two treatments, 24 hours apart, the majority of the screen slots were completely open and the algae, calcium carbonate and iron bacteria almost completely eliminated. The submersible pump was re-installed and tested, and now achieved 28m<sup>3</sup>/hr with a drawdown of only 4.7m, an increase of 233%. As this level of pressure was not required, the flow was reduced to 21m<sup>3</sup>/hr with a drawdown of 4.40m.

