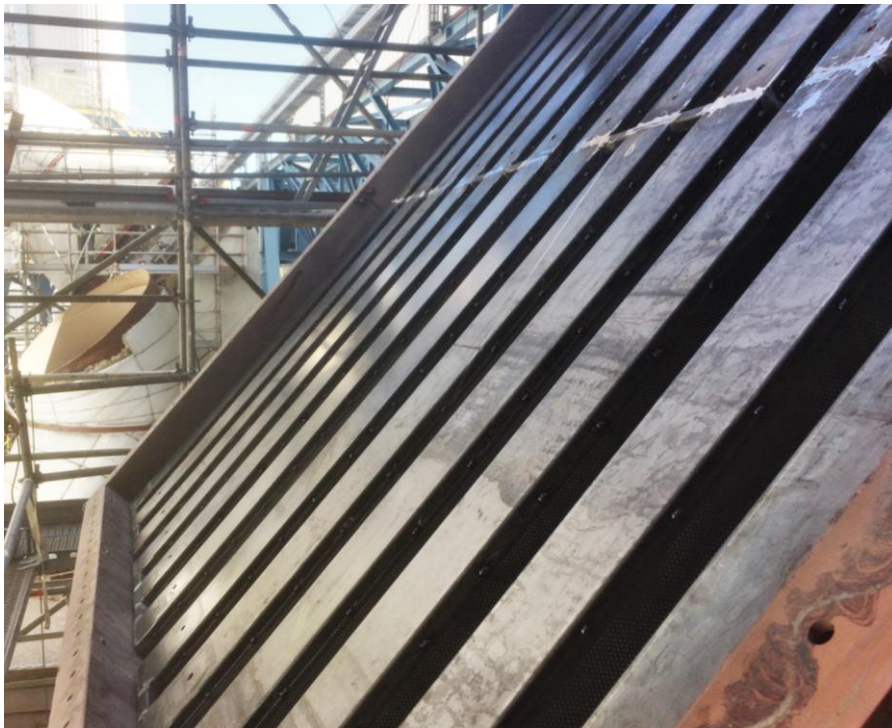


## CIMAT SARTEC

Year	2017			
Place	GARDANNE - 13 - France			
Sector	Building and public works			
Field	Soundproofing			
Type	Silencer			
Price	1k€	10k€	100k€	1M€



After the installation of a filter on a smoke treatment line, the existing silencer no longer sufficed to achieve the objectives of noise emissions in the vicinity.

dB Vib therefore proposed to develop a **specific silencer adapting it to the ducts available**. Indeed, it was impossible for UNIPER to consider changing the whole duct network simply to fit a new silencer. **DB Vib therefore designed a silencer** to be installed on a divergent duct at the fan outlet while **guaranteeing the associated pressure losses, thanks to a CFD study**.

After removal of the existing silencer, **the new silencer was fitted in the network in a few hours**. It produced a reduction of 15 dB(A) in the noise affecting the neighbours