

Demolition of a 118m chimney in Dunkerque (France) in tough conditions:

- existence of a gas pipeline only several meters away from the stack's foot,
- Internal concrete surface painted with 8 mm stackfas having more than 80% content of asbestos.

Strict parameters have been taken into consideration:

- Removal of the asbestos using high pressure pump. Stack 100% closed with an air lock access at stack bottom for manpower. All asbestos products have been treated at stack base to be incinerated. A water chemical unit had to be installed at stack bottom to treat all water prior evacuation.
- Concrete demolition method has been elaborated so that no single piece of concrete greater than 5 mm could fall outside the stack.
- Limitation of vibrations at stack base during demolition to avoid any interference with the gas pipeline.
- Sorting of all wasted: concrete, bricks, asbestos. All dangerous products have been incinerated. All other products such as concrete or non contaminated brick have been broken into small part for further use in road building.



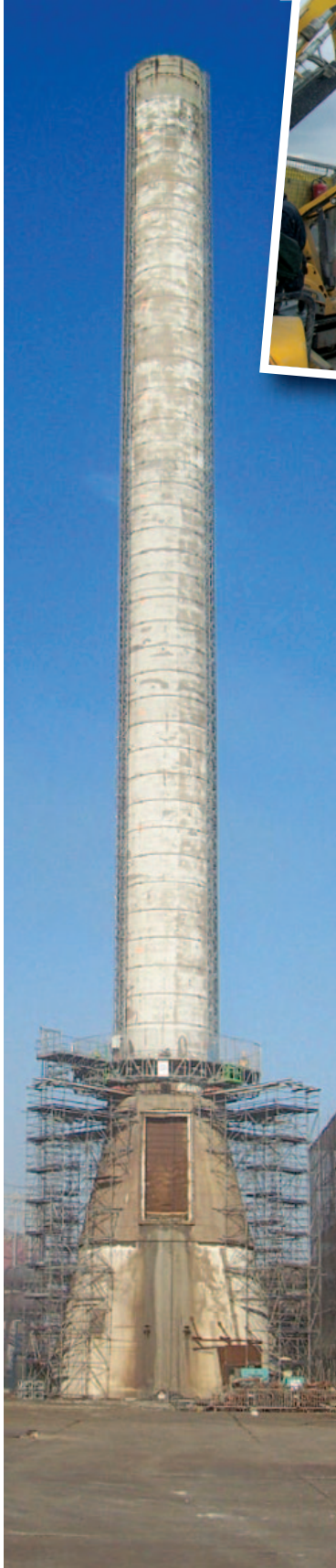
Removal of the internal brick liner using a self motorized working platform prior to any other task.



Polluted bricks have been packaged in big-bags for specialized treatment plant.



Installation of a rigid self-motored platform around the concrete chimney's shell to carry the demolition equipment.



Remote demolition of the concrete by using special hydraulic hammer to avoid any vibration for the manpower.

