



[www.unconventionalsolutions.biz](http://www.unconventionalsolutions.biz)

## Project: Power Station- Chimney Stack Refurbishment



### The Problem

The internal surface of this 30 ft-wide by 750 ft-high chimney stack at a power station had deteriorated over the last twenty years since it was built. The chimney now showed signs of corrosion and deep pitting.

The client required a high performance chemical resistant finish for the internal steel tube of this chimney, which operates at a maximum temperature of 284°F.

### Solution

The surface to be coated, totaling 23,562 sq. ft., was abrasive blast cleaned to a minimum industry standard of Sa2<sup>1/2</sup>. All loose abrasive dust and debris was vacuum cleaned away. All pitted areas were filled, after which two coats of our two component, solvent-free epoxy coating Chemi-Tech UC were applied. The photograph shows coating work commencing at the top of the chimney, which had been covered for protection against the elements.

Chemi-Tech UC offers excellent adhesion to steel and concrete and has been designed for use where exceptional resistance to chemical attack is required, even under total immersion conditions. It is ideal for the long-term protection of pipe work, tanks and containment dykes. The client was delighted with the results of the application, on which a 7-year product warranty was offered.



**Unconventional Solutions, Inc.**  
527 Union St.  
Milford, MI 48381  
(248) 685-7580  
[www.unconventionalsolutions.biz](http://www.unconventionalsolutions.biz)