

## CASE STUDY

Other | Blast Containment | Old Municipal Building, Pretoria

Jul 2013

Client City of Tshwane  
 Contractor Group 5 / Delco Demolition  
 Rep Christiaan van Wyk

Product **bidim**<sup>®</sup> | 3 000m<sup>2</sup>



An equivalent of **55 556** recycled 2l PET bottles was used in this project

### Problem

Carrying out demolition blasting includes setting up precautions for containing the fragments of the structure that are propelled away from the site. The current method is to import costly blasting blankets from abroad.

### Solution

**bidim**<sup>®</sup> **A10** was offered as a lower cost alternative. A test blast showed the product could withstand the force of the blast and the product was supplied for the full project.

The building's columns were wrapped with a layer of mesh wire followed by a layer of **bidim**<sup>®</sup> **A10**, and another layer of mesh wire. Holes were then drilled through the **bidim**<sup>®</sup> **A10** and mesh layers into the column to install the explosives.

These were placed as follows:

4 blasts per column for the first 3 storeys  
 3 blasts per column for the next 3 storeys  
 2 blasts per column for the rest of the 11-storey building.

### Benefits

The blast took place successfully and because **bidim**<sup>®</sup> is locally manufactured, there was a significant cost saving.



*The 11-storey building ready for demolishing*



*Each column was wrapped in **bidim**<sup>®</sup> **A10** to contain blast fragments*