

# Project Summary



**Client:**  
Snow Brand Australia

**Location:**  
Tatura, Victoria Australia

## Certification of Hazardous Area Electrical Installation

|                         |  |
|-------------------------|--|
| <b>Project Summary:</b> | <p>Synertec completed a site based hazardous area inspection at Snow Brand Australia's premises in Tatura. Following this site inspection, a number of defects were highlighted with the electrical installation and electrical equipment in hazardous areas.</p> <p>Synertec's scope of work included the following activities:</p> <ul style="list-style-type: none"><li>i) Hazardous Area Certification<ul style="list-style-type: none"><li>- Hazardous area material listing</li><li>- Schedule of release principal</li><li>- Hazardous area classification drawings</li><li>- Hazardous area classification report</li></ul></li><li>ii) Certification of Electrical Installation<ul style="list-style-type: none"><li>- Acquire site fault level information from the supply authority and establish the fault level at each switchboard</li><li>- Produce a load list of the newly connected equipment</li><li>- Produce a backup coordination and discrimination spreadsheet</li><li>- Produce a cable schedule</li><li>- Provide a new spreadsheet detailing the circuit protection device type, settings, suitability to the</li></ul></li></ul> |
|-------------------------|--|

# Project Summary



SYNERTEC

|                      |   |
|----------------------|---|
|                      | <p>installed load, de-rating factor from installation, cable grouping, cable earth loop impedance and voltage drop constraints as required by AS/NZS 3000:2007</p> <ul style="list-style-type: none"><li>- Inspect the installation method and condition of all cable routes (laying of cables on cable ladder and installed in conduit), all electrical equipment and electrical earthing</li></ul> <p>iii) Hazardous Area Dossier</p> |
| <b>Technologies:</b> | Detailed knowledge and understanding of Australian Standards (i.e. AS60079: Electrical equipment for explosive atmospheres and AS3000: Wiring rules) for the application of explosive dusts, such as milk powder in this instance.  |