Enquiries: Steve Williams  
Principal Engineer.  Phone: (07) 4976 0600

SUCCESS STORIES

Boyne Smelters Limited  
CBF4 Fume Treatment EIC Works

Background:  
The Boyne Smelters Development Group (BSD) installed a new Carbon Bake Furnace (CBF4) to replace the old CBF1 and CBF2. Part of this project involved the installation of a new Fume Treatment Centre (FTC). Welcon Technologies were contracted to provide a turnkey electrical, instrumentation and control solution for the FTC. Engineering design for the electrical, instrumentation and control systems were provided. Supply, installation and commissioning of a pre-fabricated switchroom containing the MCC were performed, as well as supply, installation, commissioning, programming and configuration of the instrumentation, VFD, PLC and SCADA systems.

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<th>Project Specifics</th>
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<td><strong>Client</strong></td>
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<td><strong>Location</strong></td>
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| **Size / Quantities** | Pre-fabricated Switchroom 16x4m 65kA Motor Control Centre including:  
  • 3 x 315kW Exhaust fan VFD’s  
  • 26 x Local Control Stations for other MCC drives  
  • 100 Instruments  
  • Rockwell PLC Control and Communications System  
  • Honeywell Experion SCADA |
| **Services Provided** |  
  • Detail design of Switchroom and Motor Control Centre  
  • Detail design of Instrumentation System  
  • Detail design of Communications and Control System  
  • PLC and SCADA programming  
  • Supply, installation and commissioning of Switchroom, MCC, Instrumentation and Control Systems |
| **Delivery Method** | Design and Construct with WTIC Joint Venture partners I&C Electrical |

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