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REFURBISHMENT OF SUBSTATION BASEMENT
BY ANTEC ENGINEERING, AUSTRALIA

ENDEAVOUR ENERGY BELLA VISTA ZONE SUBSTATION

Refurbishment of substation basement

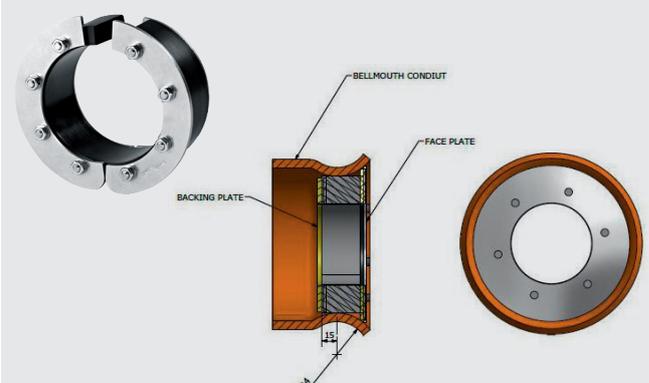
REFURBISHMENT WITH INDIVIDUAL PRESS SEALS HDR



Passive fire protection materials washed out of the penetrations and water damaged the steel footings



Concrete footings installed to raise steel works off water level



Bell mouth custom press seal and drawing



Installation of press seal



Installed seal



Antec is a leading supplier of a broad range of products for the mining, minerals processing, construction and infrastructure industries in Australia.

With branches in Sydney, Melbourne, Brisbane, Adelaide and Perth they provide superior customer service and delivery for a broad range of products. Additionally they work with major contractors to deliver customised project solutions to meet the individual requirements of the client and the job. Antec are the exclusive distributor of the Hauff-Technik range of cable & pipe sealing products.

PROJECT INFORMATION AND SOLUTIONS PROVIDED BY HAUFF-TECHNIK

Project description	Endeavour Energy substation engineers engaged Antec Engineering to propose retrofit sealing systems at the \$37 million Bella Vista Zone Substation. The seals were required to stop water ingress into the cable basement. Passive fire protection materials, installed in the conduits, had been washed away. The steel works in the basement supporting the switchgear had suffered from substantial corrosion from being submersed in water. A costly refurbishment of the substation basement was required. The steel footings of the switch gear supports required replacing.
The challenge	The cable seals required needed to be suitable for bell mouth penetrations. Antec Engineering and the contractor All Industrial Services attended the site and measurements of cables and bell mouths were taken. This information was then sent to Hauff-Technik and custom HRD press seal manufactured for this particular job.
Products used	HRD 125-2GF-1/71 (split individual press seal with covering flange) HRD 125-2GF-1/67 (split individual press seal with covering flange) HRD 125-2-0 (individual press seal with covering flange and blind plug) HRD 50/42-1-GF-1/0 (split individual press seal with covering flange and blind plug)

Hauff-Technik GmbH & Co. KG

Tel. +49 7322 1333-0
Fax +49 7322 1333-999

Robert-Bosch-Straße 9
89568 Hermaringen, GERMANY

office@hauff-technik.de