

CASE  
STUDY

**SNAP-LOC™**  
DUST SEAL SYSTEM

<b>PRODUCT:</b>	Snap-Loc™ Dust Seal System
<b>PRODUCT CATEGORY:</b>	Conveyor Skirting & Transfer
<b>LOCATION:</b>	Power Station, Traralgon, Victoria, Australia
<b>CONVEYED MATERIAL:</b>	Brown coal
<b>CONVEYED BELT WIDTH:</b>	54" (1400 mm)
<b>CONVEYED BELT SPEED:</b>	965 feet per minute (4.9 metres per second)
<b>RATE:</b>	1800 tons per hour, emergency capacity rate 2500 tons per hour
<b>INSTALLATION DATE:</b>	First trialled in July 2012 with a 30 foot (9m) length, then 60 foot (18m) length installed in October 2012 and still in service.

**PROBLEM DESCRIPTION:** *"As the plant was naturally ageing, significant wear was experienced in all impact areas. The life expectancy of the standard skirt rubber was on average around 2 months. Of greater concern to general operations was the increasing evidence of wear to the actual belt."*

**RESOLUTION:** *"The installation of the Snap-Loc Dust Seal has tripled the wear life compared to that of standard skirt rubber. Encouragingly there have been no further signs of wear to the belt itself."*

*"Another improvement from the installation has been to our permit system for access, which has been reduced in time considerably since we do not have to go inside the conveyor to fit the Snap-Loc skirts. This has saved us 4 hours in valuable maintenance time."*

**DATE OF FIRST SERVICE INSPECTION:** *"We inspect our belts weekly and do a 3 day outage every 3 months as a routine so we have regular inspections. Now our skirt rubbers are very easy to inspect safely with the plant in service."*



**FURTHER APPLICATION:**

*"We have just installed the Snap-Loc Dust Seal skirting to one of our reversing shuttle conveyors. The changeover from our system to the Snap-Loc Seal took 2 full days but it only took about 30 minutes to actually snap the skirt in once the Unistrut was fully welded.*

*"This system has been in place for one week running 24/7 and we have not experienced any change whatsoever in belt tracking, extra heat generated or anything that would suggest that there is any difference between the 2 systems in running. There is considerably less spill.*

*"Overall I am very happy with the product and would envisage that by the end of 2014 all our belts would have the Snap-Loc Dust Seal System skirting installed."*



*Photo taken February 2013 of Snap-Loc Dust Seal System in place on slider beds at the Power Station, Traralgon, Victoria*