

## ALCLAD ENVIRONMENTAL CASE STUDY

To investigate the environmental benefits of investing in a new Imaas Extraction System.

	Old	New	Saving
<b>Drying Tunnel</b>			
Ovens heated by electricity		Ovens heated by boilers	
Start Up	65 KVA	20 KVA	45 KVA per month
Running	76 KWH	19 KWH	57 KWH per month
<b>Extraction</b>			
Old technology motors		New inverter type motors	
Start Up	52 KVA	34 KVA	18 KVA per month
Running	92 KWH	74 KWH	21 KWH per month

**Total Saving:** 63 KVA minimum  
78 KWH minimum

### Question:

Is it viable to change to a new Imaas Extraction System?

### Answer:

Yes there is:

- A significant reduction to be achieved for both demand (KVA) and consumption (KWH).
- A re-use of the sawdust (by-product of the milling process) to fire up the boilers.
- Which in turn:
  - Heat up the spray line drying tunnel
  - Provide hot air to the factory area during winter.

### Conclusion:

Go ahead with the investment of R3.3 million.