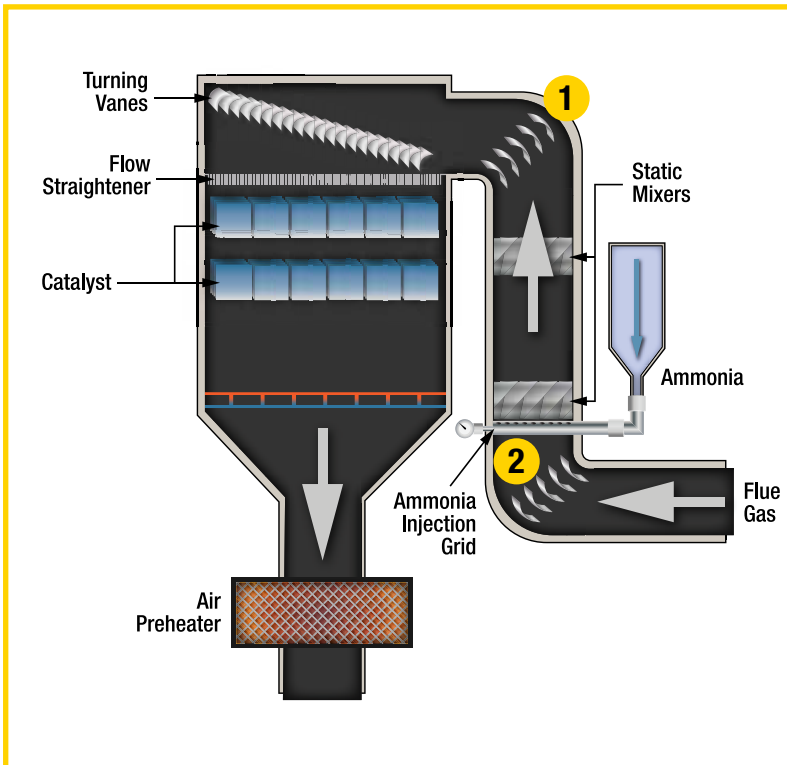


## Conforma Clad™ Solutions for Economizer to SCR



### Problem — Structural Components

Erosive wear of the structural components (Angle Iron) used to secure the ducts and turning vanes located at the Ammonia Injection Grid (AIG) exit of economizer to SCR.

**1**

- Angle iron needed to be replaced during regular outages — every 2 years.
- 250' of scaffolding needed to be constructed to access.
- Estimated cost >\$1m.
- Time taken to complete — 10 days on 2-shift basis.

**Solution — Conforma Clad WC-210 Cladding to Angle Iron**

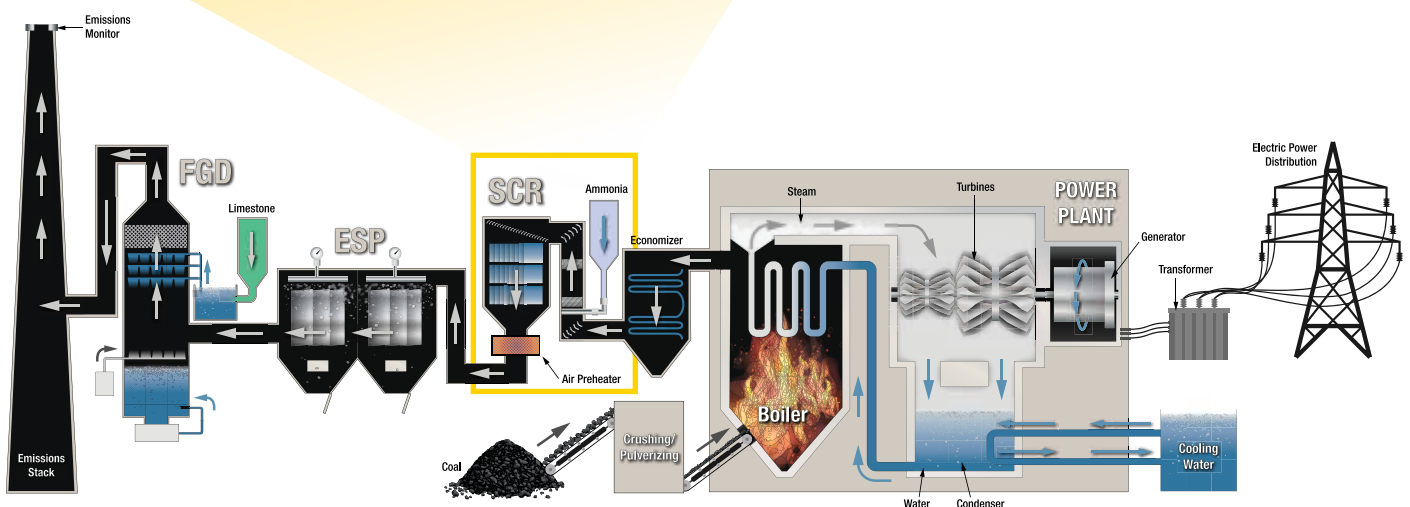
### Problem — Perf Screens Located Behind AIG

Erosive wear of the perforated plates, located before the Ammonia Injection Grid (AIG).

**2**

- Perf plates needed to be replaced during regular outages — every 6 months.

**Solution — UltraFlex™ Carbide Coating of Perforated Screen**



## SCR Turning Vane Structural Components



Eroded Structural Members

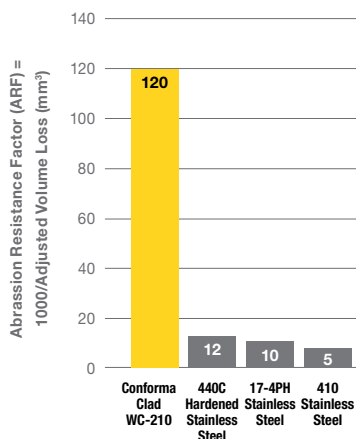


### Conforma Clad Solution

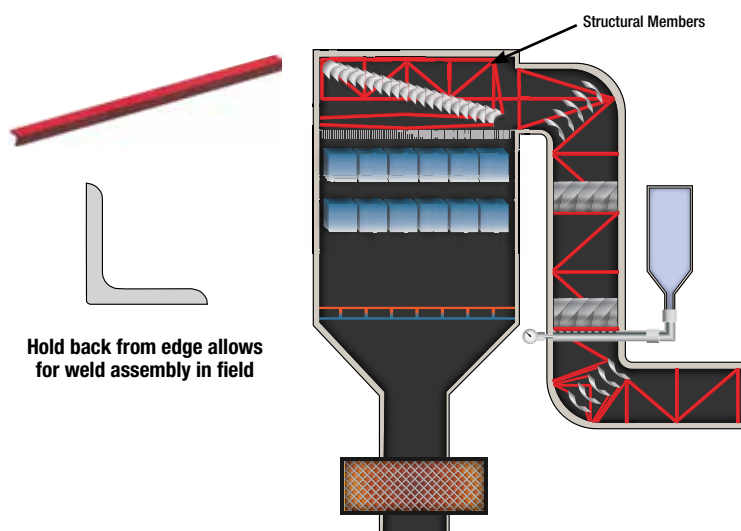
Apply 0.030" WC-210 cladding to angle iron wear surface.  
Turn key iron in required sizes provided.

- Significant life cycle improvement.
  - Cladding Abrasion Resistance Factor (ARF) over 10x better than hardened steels.
- Considerable savings over life cycle of clad angle iron.
  - Reduction in frequency of expensive vane maintenance.
  - Reduction in lost production (frequency and time required to build scaffolding).

## Dry Sand Abrasion Test (ASTM G65)



**Cladding Abrasion Resistance Factor (ARF) over 10x better than hardened steels.**



## Perf Screens Located Behind AIG

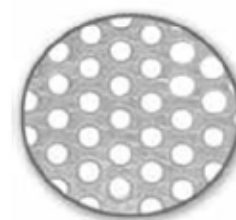


Eroded Structural Members

### Conforma Clad Solution

UltraFlex™ carbide coating of perforated screen.

- Significant life cycle improvement.
- Fewer screen replacements.



## CONTACT US

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