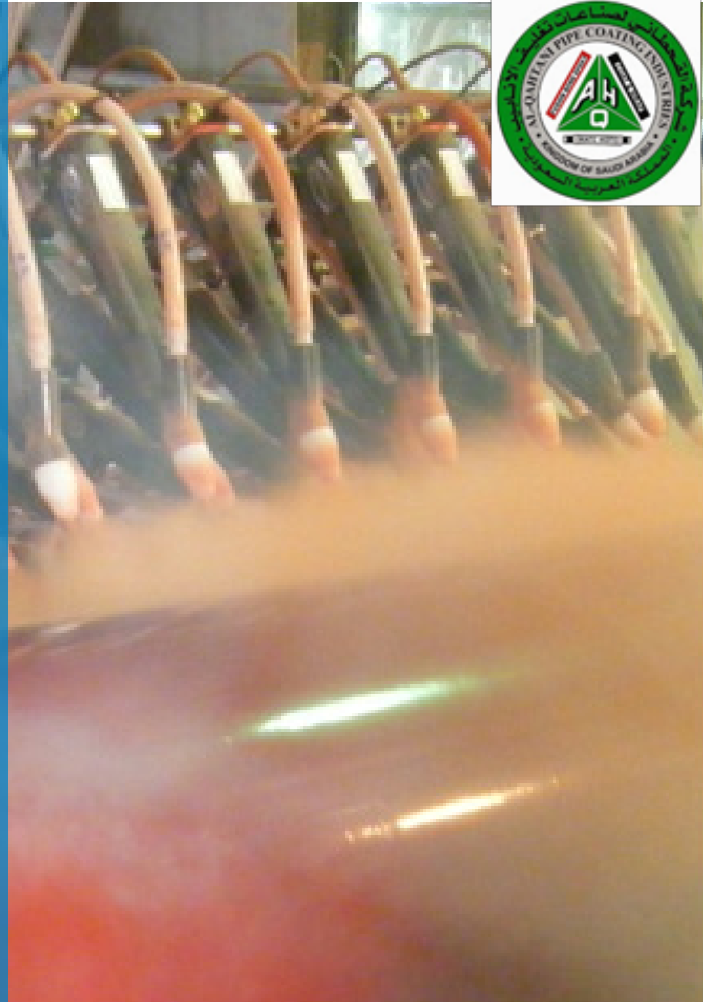




Fusion Bonded Epoxy (FBE) Pipe Coating Application.

Specialist powder application onto pre-heated steel pipes for Al Qhatani (Saudi Arabia).



Project Overview

What's new on the installation?

Better control on coating thickness.

What equipment was used before?

Ransburg oil filled Power pots and EXP guns. Coating thickness controlled by amount of guns switched on.

What was the biggest challenge?

Achieving powder savings up to 5% with more uniform coating thickness and higher first pass transfer efficiency.

Specifications:

Year of construction: 2013
Type of components: Pipe
Parts material: Steel, preheated
Product diameter: 2286m
Coating: 80 - 625µm
Conveyor type: Wheel conveyor
Coating surface: 900m²/hr

Booth type: Local
Powder: FBE single-dual
Powder feed: Local hopper
Pump Type: 100+ venturi
Application: VS II / iControl
Automatic: 64 x VSII per booth
2 systems installed

Layout: 8 Horizontal / 8 Vertical

Additional information:

- Two lines installed by SETEC
- Existing booth, hoppers and feeding
- Spray to waste, many different powders
- Easy set up of powder output per gun
- Ambient temperature over 45°C