



# Unconventional Solutions, Inc.

Experts in Repair and Protective Coatings

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## Project: Coal Separator Rebuild



### The Problem

This photograph shows part of the coal separation unit in a coal preparation plant.

After continual use over an extended period of time, this piece of equipment had eroded and corroded badly because the separator was subjected to high levels of abrasion.

The plant engineers could either choose to replace or refurbish the separator.

### The Solution

All dirt and contamination was removed from the surface, and then the separator was blasted to provide a good profile.

The badly pitted areas were rebuilt with **USI Ceramic Rebuild** and two coats of **USI Ceramic Lining FG** were applied to the entire surface.

This has proven to be an ideal system for rebuilding this piece of equipment, now operating perfectly at a fraction of the cost.

