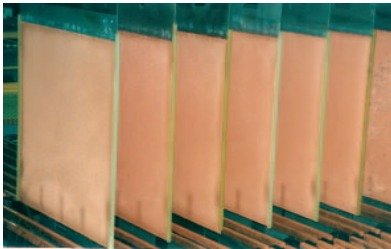


Anodes for electrowinning



Metal Winning Cathodes



Tank House



Anodes Installation

De Nora Anodes for electrowinning:

- Available in a variety of complex structures, fabricated to customer specific designs.
- Produce high quality lead-free cathodes and long anode structure life, capable of catalyst recoating.
- Design, engineering, mine site consultation service and demo programs to meet customer needs.

FEATURES & BENEFITS

- Environmentally friendly process (no pollution or cathode contamination, elimination of lead anode sludge handling and disposal, lead free operation)
- Energy savings and increase metal production when coupled with higher current density operation
- Cobalt-free electrolyte operation
- Labor cost saving
- Uniform current distribution provided by a stable metallic structure
- Titanium structure based anodes are lighter for easy installation and removal
- Anodes structures can be refurbished to reduce operating costs

APPLICATION

DSA® anodes are a new generation alternative to conventional lead alloy anodes for Copper, Nickel, Zinc and Cobalt electrowinning.

SERVICES

De Nora provides customized technical solutions and after-sales technical service:

- Anode and cell engineering design optimization
- One on one customer support to achieve operational excellence
- Customer specific coating optimization
- On-site test to confirm anodes performance and for anodes optimization
- On-site technical assistance
- On-site monitoring of residual catalyst activity (planning of preventive maintenance)
- Anodes refurbishment
- Laboratory services



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Durantes Vincunt

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