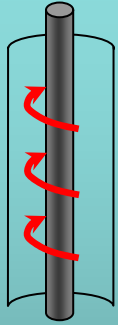


# EMEW® ELECTROWINNING FOR PROFIT



# EMEW®

## PRECIOUS METAL

Industrial & Refinery Waste Streams

Electrometals Technologies Limited

EMEW® is a remarkably efficient precious metal recovery technology that offers value added benefits over conventional recovery methods. The benefits are:

- Simple, fully automated process
- Rapid payback on capital employed
- Selective recovery of individual metals
- Re-locatable (modular) plant
- No ventilation required
- Inherent high security
- High tolerance to aggressive & hot solutions
- Depletion down to a few ppm
- High purity product
- Clean, efficient and safe characteristics

Electrometals Technologies Limited

28 Commercial Drive  
Ashmore  
Queensland  
Australia 4214

Phone: +61 (0) 7 5526 4663  
Fax: +61 (0) 7 5527 0299  
emew@electrometals.com.au  
ACN 000 751 093

[www.electrometals.com.au](http://www.electrometals.com.au)

# EMEW® CHARACTERISTICS

EMEW® simplifies the process of recovering metals by electrolysis (electrowinning). The basic principles of electrowinning are applied in many mining and metal treatment plants around the world. However, in conventional usage, the process is restricted in application due to limitation in operating versatility and high capital cost.

The combination of a precious metal bearing waste solution and the cost effective EMEW® metal recovery technology, forms a sound economic base for implementation of localised metal recovery in most industrial process settings.

EMEW® technology is capable of selectively recovering precious metals from many forms of industrial waste, such as silver from thiosulphate solutions, gold and silver from cyanide solutions and platinum from spent catalyst solutions.

With a growing worldwide trend toward responsible on-site effluent treatment, EMEW® offers industrial clients the opportunity to turn their waste into wealth while at the same time reduce the costs associated with disposal and landfill of their waste streams.

EMEW® outperforms conventional electrowinning technology through a simple process of accelerating the rate at which metal ions are presented to the surface of the cathode. This significantly increases plant efficiency resulting in lower cost, higher performance levels, increased process versatility and a variety of other economic and process benefits.



EMEW® is a global entity with affiliate sales & technical support offices in Australia, Brazil, Canada, Chile, Italy, Singapore and USA.

To locate a contact near you, visit our webpage:  
[www.electrometals.com.au](http://www.electrometals.com.au)

## Electrometals Technologies Limited

### Low Operating Costs

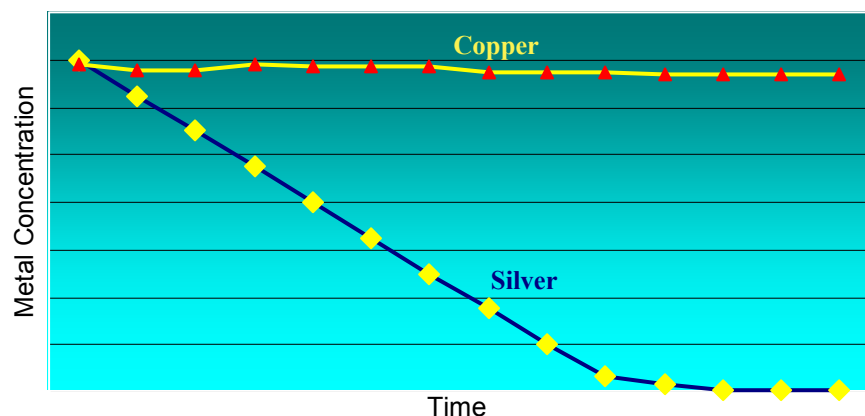
Typically gold & silver are recovered at an operating cost of 1 to 5 US cents per oz.

### EMEW® Advantage

- ◆ Robust Design
- ◆ No ventilation required
- ◆ Total gas capture
- ◆ Recovery in a single step
- ◆ Low depletion limits
- ◆ Small efficient plant
- ◆ No chemical additions
- ◆ Modular construction
- ◆ Low maintenance
- ◆ No moving parts

The EMEW® technology is capable of recovering many metals including Platinum, Gold, Silver, Nickel, Cobalt, Copper, Tin, Zinc and Cadmium. The broad range of applications to which EMEW® is ideally suited has resulted in EMEW® installations in North America, South America, Europe, Africa, Asia and Australia.

### Typical EMEW® Ag Depletion From Cyanide Solution



**Electrometals Technologies Limited** provides a full range of products and services to the metal recovery industry; from flowsheet development and process engineering to "total package" turnkey projects.



" EMEW cells are equipped with Dimensionally Stable Anodes (D.S.A.®) manufactured by De Nora Elettrodi Network. D.S.A.® is a registered trade mark of D.N.E. S.p.A."

[www.denora.com](http://www.denora.com)