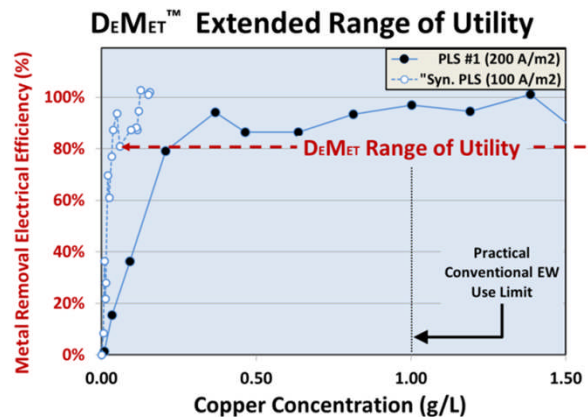
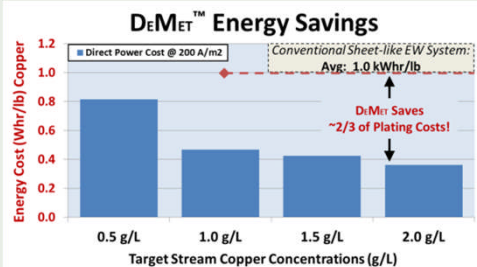


What can DeMET do for you

Send BPS a sample of your target stream for site-specific evaluation.

Request an on-site portable pilot unit trial to validate performance and benefits.



Blue Planet Strategies

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Contact Us Today

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DeMET™

*Extracting Value
From
Low-Grade, Waste, &
Process Streams*

**New Metal
Harvesting
Opportunities**

Metal Removal Performance

Designed to work with very weak solutions, DEMET retains its benefits for strong solutions. Copper removal yields representative results for comparison to conventional electrowinning (EW) performance.

- Removes (plates) copper at 0.42 kWhr/lb (@ 1 g/L, 200 A/m²)
- Practical performance down to 0.2 g/L, unlike conventional EW that requires ≥ 1.0 g/L.
- 91% plating efficiency averaged from 1.7 g/L down to 0.2 g/L (200 A/m²)
- Removal to 0.05 g/L maintained >80% electrical efficiency (100 A/m²)
- Removes Zinc to 0.5 g/L zinc at 47% efficiency and can remove zinc to 0.01 g/L zinc.

Applicable Metals

- | | | |
|--|--|--|
| <input type="checkbox"/> Antimony | <input type="checkbox"/> Iron | <input type="checkbox"/> Tin |
| <input checked="" type="checkbox"/> Copper | <input checked="" type="checkbox"/> Nickel | <input checked="" type="checkbox"/> Zinc |
| <input type="checkbox"/> Cobalt | <input type="checkbox"/> Palladium | |
| <input type="checkbox"/> Gold | <input type="checkbox"/> Silver | |

Competitive Advantage

Independent control and manipulation of key process components enables a new level of tailoring the target chemistries and system operation to best meet customer needs.

- Maintains high processing rates and efficiencies while using less energy
- High-surface area and dynamic (moving) electrode raises treatment rates and lowers cell voltage
- Reaction area can be more than 10X higher than comparable systems with sheet-like electrodes
- Separates reactions and controls fluid circulation, averts iron oxidation and improves practicality
- Closed system design controls acid mist generation and release of any gases generated

DEMET™ Capabilities

- ◆ Electrowins
- ◆ Concentrates
- ◆ Transforms

Implications

DEMET provides versatility to practically, cost-effectively, and selectively remove and reclaim a variety of metals from both weak and strong streams.

- **Saves Energy: Reduces metal removal energy needs by as much as 50% vs. conventional EW**
- Gentle Process: Minimizes side reactions, and is practical and efficient
- Lessens degradation of additives or unwanted gas formation during treatment
- Overcomes dendrite formation, precludes cell shorting and saves energy