

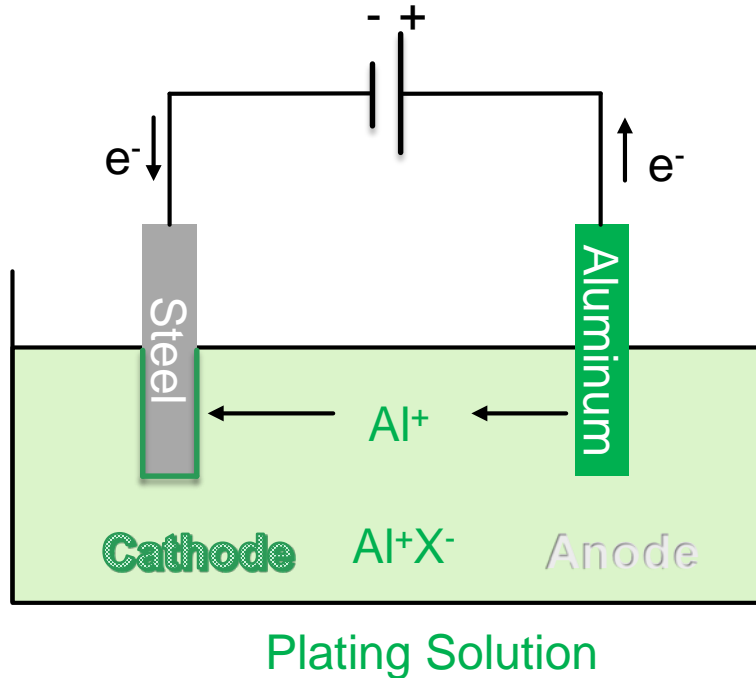
LumiShield

- ▶ Materials and Process Company
- ▶ Creating Disruptive Change in the Anti-Corrosion Market
- ▶ By Displacing Existing Anti-corrosion Coatings and Materials including Hexavalent Chromium and Cadmium (**>\$6 Billion / yr**)
- ▶ Through Improved Coating Performance, Reduced Environmental Impact, and **Lower Cost**
- ▶ Using a **Proprietary** Aluminum Electroplating Technology
- ▶ Seeking Investment for Production Facility Construction



Revolutionary Aluminum Coatings

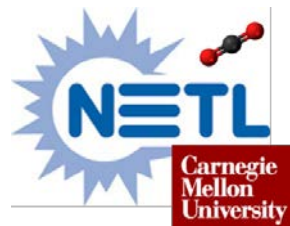
Electroplating 101



Why Doesn't Everyone Plate Aluminum?

- Every metal salt has a characteristic deposition voltage.
- Aluminum deposition has too high a voltage to be deposited in water.
- Current Technology: Rigorously dry, sealed, organic solvents in explosive conditions.
 - **EXPENSIVE** and **DANGEROUS**

LumiShield has developed a better solution with a unique aluminum salt at low temperature and ambient conditions!



Value Proposition

▶ All current commercial anti-corrosion coatings have a **limitation**.

- Cadmium – Highly Toxic (Heavily Regulated)
- Chromium – Highly Toxic (Heavily Regulated)
- Zinc – Poor Lifetime

Just to name a few....

▶ **LumiShield** process

- Non-toxic Metal (Less Regulation and Lower Waste Disposal Cost)
- Less Expensive Materials
- Applied Using Existing Equipment (Low Capital Investment)
- Versatile Coating (Useful Alone, as a Primer Coat, or with Conversion Coatings)



Business Model

~~▶ Manufacture of Aluminum-plated Materials:~~

- ▶ Customers: Manufacturers
- ▶ Extensive Requirements in Expertise, Capital Investment, Sales Network, etc
- ▶ Low Margin

▶ Manufacture and Sale of Plating Solution (Secret Sauce)

- ▶ Customers: Electroplaters
- ▶ Low Capital Investment to Manufacture
- ▶ Makes Use of Customer Expertise, Sales Network, and Industry Contacts
- ▶ Potentially High Margin

The Secret Sauce

