

Based in New York, LTS is a leader in the manufacture of high-purity optical coating materials. We supply high quality products to the optics, fiber-optics, electronics, automotive, aerospace, crystal growth, and fuel cell industries, among others.

LTS is recognized worldwide for its new class of fluoride materials produced via DFM®: a novel production method that allows us to completely surpass material quality achieved by conventional means.

Over the years, LTS has collaborated with several companies to research and develop new products that have since proven to directly compete with existing materials, or have entirely replaced them as industry standards.

LTS also collaborates with clients to:

- Synthesize materials in non-traditional sizes, formulations, and purity profiles to your exact specifications.
- Develop products and solutions where established ones are not capable of fulfilling your needs.

Whether you need minor variations from a standard formulation, or a completely custom chemical system: LTS is your source.



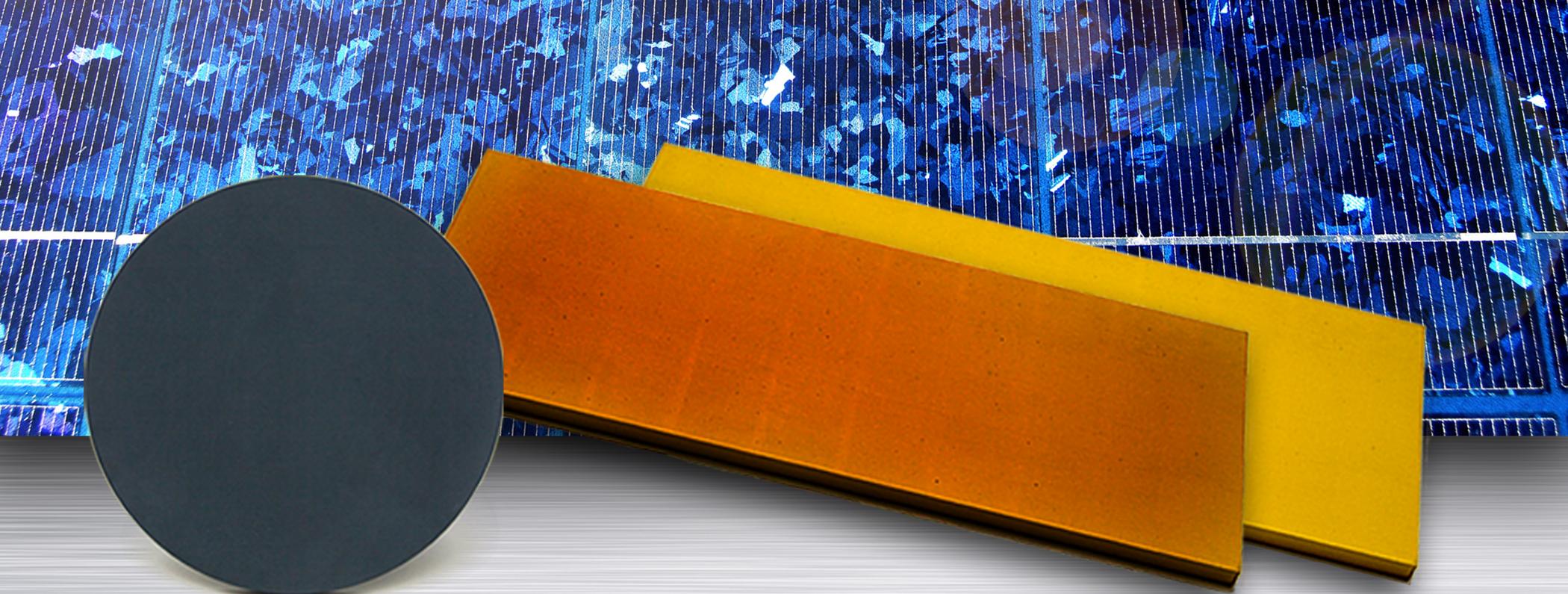
*Optical Coatings from
Concept to Commercialization (OC₃)*

PHOTOVOLTAIC & BATTERY CHEMICALS



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PHOTOVOLTAICS & BATTERY CHEMICALS

LTS Research Laboratories Inc. is on the cutting edge of the manufacture of photovoltaic chemicals. Through strict adherence to client requirements—size, shape, and composition—LTS is able to produce custom selenides, tellurides, and lithium chemicals to exactly match customer requirements.

Lithium Chemicals

Lithium Aluminum Cobalt Oxide, $\text{Li}_x\text{Al}_y\text{Co}_{1-y}\text{O}_2$
Lithium Cobalt Oxide, LiCoO
Lithium Cobalt Dioxide, LiCoO_2
Lithium-Iron-Phosphate, LiFePO_4

Lithium Lanthanum Titanium Oxide LiLaTiO_3
Lithium Manganese Dioxide, LiMnO_2
Lithium Nickel Oxide, LiNiO_2
Lithium Tantalate, LiTaO_3

Lithium Titanate, Li_2TiO_3
Lithium Titanium Oxide, $\text{Li}_4\text{Ti}_5\text{O}_{12}$
Lithium Vanadium Phosphate, $\text{Li}_3\text{V}_2(\text{PO}_4)_3$

Mixed Manganese Cobalt Dioxide, $\text{LiMn}_{1-y}\text{Co}_y\text{O}_2$
Mixed Nickel-Cobalt Dioxide, $\text{LiNi}_{1-y}\text{Co}_y\text{O}_2$
Mixed Nickel Manganese Dioxide, $\text{LiNi}_{1-y}\text{Mn}_y\text{O}_2$

Conventional & Custom Selenides, Tellurides, & other Salts

Cadmium Arsenide (Cd_3As_2)
Cadmium Oxide (CdO)
Cadmium Oxide/Tin Oxide (CdO/SnO_2)
Cadmium Selenide (CdSe)

Cadmium Stannate (Cd_2SnO_4)
Cadmium Sulfide (CdS)
Cadmium Telluride (CdTe)
Cadmium Tungsten Oxide (CdWO_4)
Cadmium Zinc Telluride (CZT)

Copper Indium Gallium Diselenide (CIGS)
Copper Indium Selenide (CIS)
Gallium Arsenide (GaAs)
Indium Phosphide (InP)