

# Cnem Corporation

## Jun Shu, PhD, P.Eng.

- Cnem - Canadian New Energy Materials Corporation was established in April 2013 after INCO Special Products.
- Specialty metal foam and carbonyl metal powders for energy, environmental and PM industries.
- Proprietary process of metal foam production for Li-ion batteries.

- For Li-ion battery manufacturers who suffer from safety and battery life issues, Cnem has developed a novel process to produce superior quality metal foams that allow our customers to make safe 3D Li-ion battery electrodes for (1) extended battery life and (2) high energy density while eliminating (3) fire and explosion problems.
- Our process involves a graphene nanotechnology for producing metal foams. It applies a computer-based online quality control system to adjust the coating step parameters in order to ensure the uniform electrical conductivity of metal foam products, which is critical for use as electrodes in Safe3D™ Li-ion batteries.

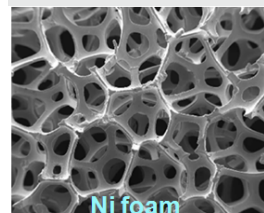
## Partnerships we are seeking:

- Joint effort in vertical integration for accelerating process scale up (such as sintering capacity, ...)
- Supply chain of raw materials and relevant Safe3D™ energy materials
- Matching funds for a pilot plant project (scale of up to 200,000 m<sup>2</sup>/year)

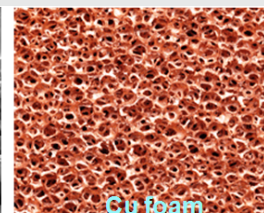
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[www.cnemcorp.com](http://www.cnemcorp.com)



Ni foam



Cu foam



Filamentary Ni powder