NAATBatt 2020 Member Update: Forge Nano

James Trevey Ph.D
Chief Technology Officer

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Company

- Founded in 2013
- 43 Employees
- Headquarters in Louisville, CO

Mission:
To become the world leader of innovative materials solutions

Atomic Layer Deposition

ALD for anything, not just semi-conductor

Coatings that are conformal and uniform

Coating thickness typically 0.1nm-100nm

Nearly any chemistry can be deposited

End-to-End Material Solutions Provider

R&D Services (fee for service)

Toll-Coating (milligrams to kilotons)

Equipment Sales (Lab to Commercial-Scale)

Reactions happen at the surface of materials, we can control the surface
**Application Space for ALD**

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**ALD is applicable to just about anything**
Energy Storage

ALD improves performance and safety, and can actually reduce cost

Old News (Data Available upon request)
- Li-ion, beyond Li-ion, Na, Zn, Pb, etc...
- NMC, NCA, LMNO, LCO, LMO, Sulfur
- Solid electrolytes, separators
- Graphite, Si, composites, Li-metal
- Conductive additives, cases, components
Forge Nano is the largest and most comprehensive ALD provider

Update

Corporate Activity

Coming soon

Coming soon

Commerciably Ready Products

PicoShield® LCO

Lab-scale: ~1 mg to 1 kg

PicoShield® Natural Graphite

Lab-scale: Objects/Inert

Forging Nano's solutions for the future.
Thank you!

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