

Lattice Energy LLC

Increasing awareness of risks with Lithium-ion batteries

U.S. FAA recently made an excellent presentation at meeting in Europe

Boeing very recently warned airlines re risks with Li-ion batteries shipped in cargo

Exactly 5 years ago, Lattice begin to publicize risks with Li-ion batteries carried inside commercial aircraft because LENRs can potentially trigger catastrophic field-failures; back then, some labeled us as “fear mongers”

Lewis G. Larsen
President and CEO
Lattice Energy LLC
July 23, 2015

FAA Li-ion cargo fire experiment #1



Image: AP photo of FAA video

“The four stages of acceptance:

1. This is worthless nonsense.
2. This is an interesting, but perverse, point of view.
3. This is true, but quite unimportant.
4. I always said so.”

J.B.S. Haldane
Journal of Genetics 58 pp. 464 (1963)

FAA Li-ion cargo fire experiment #2



Image: FAA report

Lattice Energy LLC

*International Aircraft Systems Fire Protection Working Group Meeting
Dresden, Germany, May 12-13, 2015*

Fire Hazards of Lithium Ion Batteries



**Richard E. Lyon, Richard N. Walters, Sean Crowley,
and *James G. Quintiere**

24 PowerPoint slides - for pdf copy go to:

<http://www.fire.tc.faa.gov/pdf/systems/may15meeting/lyon-0515-batteryheatrelease.pdf>

On July 18, 2015 Lattice released a 25-slide PowerPoint discussing Boeing's dire warning; see:

<http://www.slideshare.net/lewisglarsen/lattice-energy-llc-boeing-warns-airlines-about-dangers-of-lithium-batteries-carried-in-aircraft-cargo-holds-july-18-2015>

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<http://www.slideshare.net/lewisglarsen/presentations>