



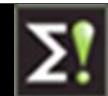
# EUROGIA2020

Dusseldorf PO Days : Energy Storage

March 13, 2017

*Grace Quan, CEO*

*Hydrogen In Motion Inc. (H2M)*



## ❖ Innovative Physisorption Material

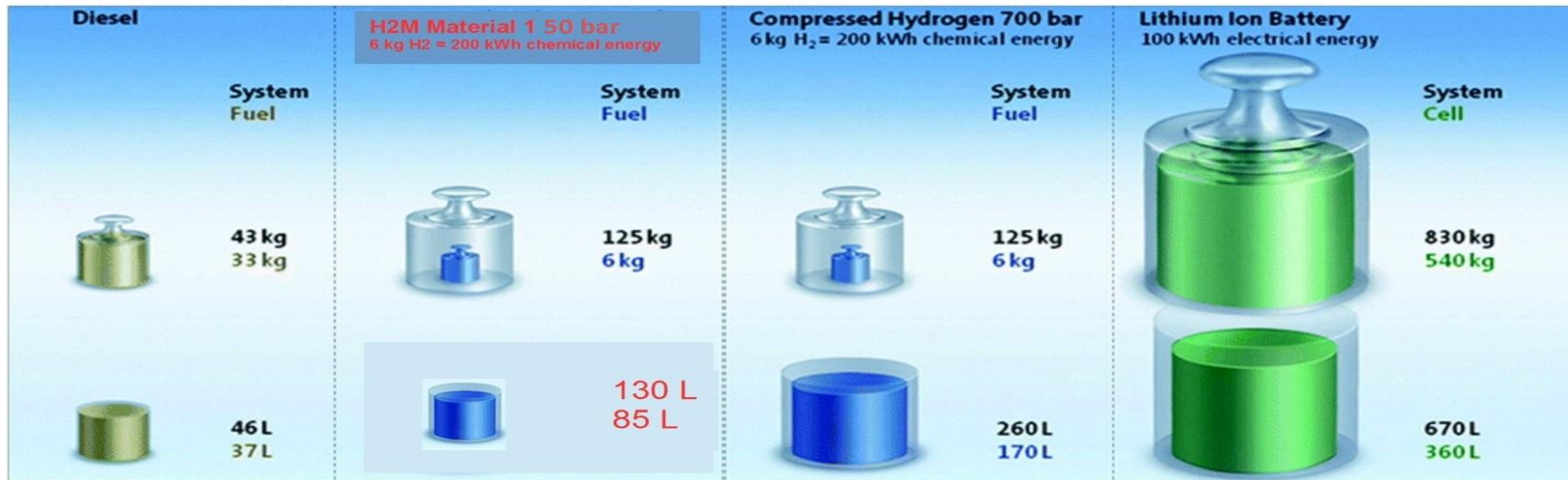
- H<sub>2</sub> storage at 14X less pressure
- Half the size of compressed tanks.
- Conformable, rechargeable
- Eliminates need of high compression and H<sub>2</sub> chillers.

## ❖ Significant reduction in capital & operating

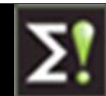
## ❖ Cost effective energy storage facilitates H<sub>2</sub> fuel cells adoption



- ❖ Develop H<sub>2</sub> supply chain converting waste gas, renewable (solar or wind) energy into hydrogen
- ❖ Store and deliver H<sub>2</sub> using H2M storage technology



<b>H2M Advantage</b> ✓ Avoid 99 Kg of CO <sub>2</sub> per tank	<b>H2M H<sub>2</sub> Tank</b> ✓ Conformable ✓ Physisorption = easy to use & rechargeable	<b>H2M Advantage</b> ✓ 14X less pressure ✓ 2X smaller ✓ \$ Lower Cost	<b>H2M Advantage</b> ✓ 6x lighter by weight ✓ 5x smaller in size ✓ \$ Lower Cost
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## ❖ Partners involved

- Simon Fraser University
- University of British Columbia

## ❖ Missing partners / expertise

- End users of hydrogen seeking efficient H<sub>2</sub> storage solution
- Hydrogen producer seeking high density cost effective storage
- Energy producers seeking to store and utilize excess power



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