



INNOVATION SUMMIT ON SUSTAINABLE ENERGY STORAGE

April 6

Lars Tilly
Director, Technology

**MATERIALS
BUSINESS
CENTER**



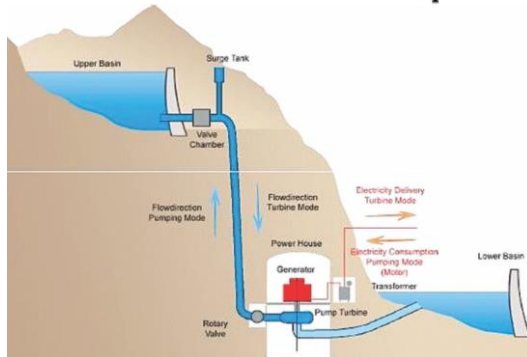
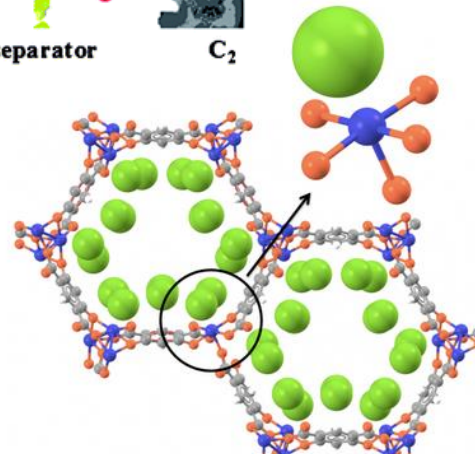
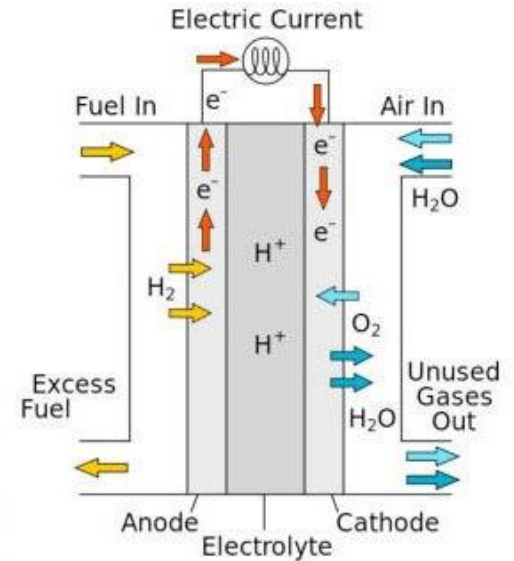
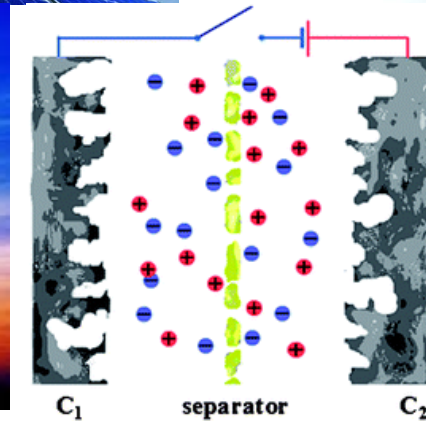
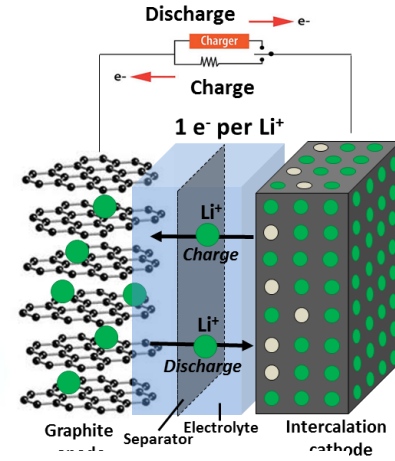
EUROPEAN
UNION
European Regional
Development Fund

iINNOVATION
SKÅNE

Innovation Summit

- Industrial challenges and needs inspiring researchers and startups
- Networking forum for industry, entrepreneurs and academia
- Ideas exchange

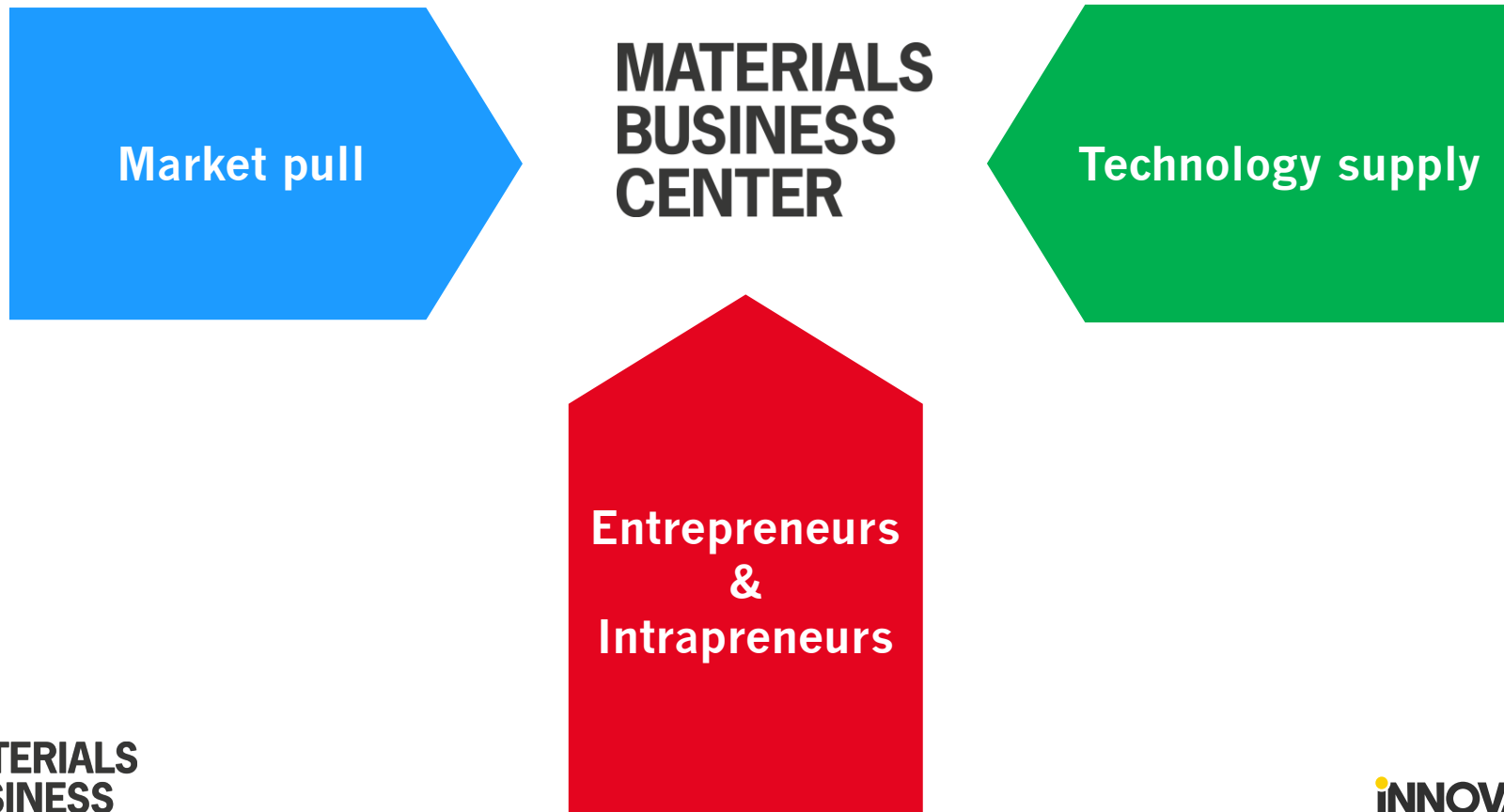
Sustainable Energy Storage



Materials Business Center

- Part of the regional focus area Smart Materials
- ***Vision:*** A global epicenter for new products and businesses based on materials technology and innovation in Southern Sweden

Innovation flow structure



Open Innovation Portal

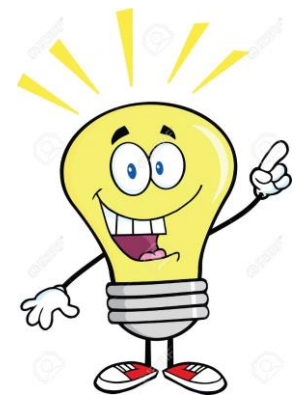
Industrial Need & Challenges exposed

Open solution dialog
forum

Bilateral solution
dialog forum



Business Collaboration



Join us and access...

- Network's **facilities** and **research** capabilities
- Recurring **seminars**, **conferences** and **workshops**
- **Open Innovation** platform
- Experienced **business advisors**

What's in MBC for...

- **Industry** – Risk minimization, tech opportunities, access to novel innovations and disruptive technologies
- **SMEs** – feedback from established experts and specialists, access to industrial network, first customers, business advisory
- **Academia** – Collaborations, publications, funding, ranking
- **The Region** – job opportunities, growth, competitive advantage

Today

9.00 Welcome

9.15 *Sara Malmgren*, Programme Manager, Swedish Energy Agency
“Energy storage in the future energy system”

9.30 *Helena Tillborg*, Head of Business Development, Kraftringen
“Kraftringen: Challenges & Opportunities”

9.45 *Mats Alakula*, Professor Industrial Electrical Engineering and Automation, Lund University
“Electric roads in Skåne”

10.00 *Jarkko Ahlbom*, Zero Strategy Manager, Nissan Nordic
“Nissan Intelligent Mobility”

10.15 *Stephen Hall*, Senior Lecturer solid mechanics, Lund University
“4D imaging of charging and discharging processes in lithium-ion batteries”

10.30 *Sergey Shleev*, Professor Biomedical Technology, Malmö University
“Hybrid devices for simultaneous energy conversion and storage”

Today

10.45 Coffee

11.05 *Dennis Kerkhof*, Project Leader, LKF
Xplorion: battery storage of solar energy

11.20 *Pavel Calderon*, Manager – Advanced Battery Technology, NEVS
“NEVS: Challenges & Opportunities”

11.35 *Lewis Horne*, CEO, UNITI
“The importance of scaling better batteries”

11.50 *Jeanette Green*, Assistant Director & Business developer, IVL
“Cityfied: sustainable district energy retrofiting”

12.05 – 12.20 Discussion

12.20 – 13.00 Lunch

Million dollar Summit Question

According to you, which energy storage solution will be dominating in 20+ years in

- Transportation ?
- Stationary solutions ?
- Wearable devices ?

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