

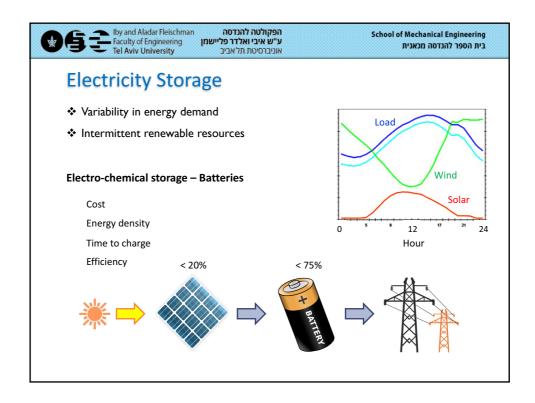
הפקולטה להנדסה ע"ש איבי ואלדר פליישמן אוניברסיטת תלאביב

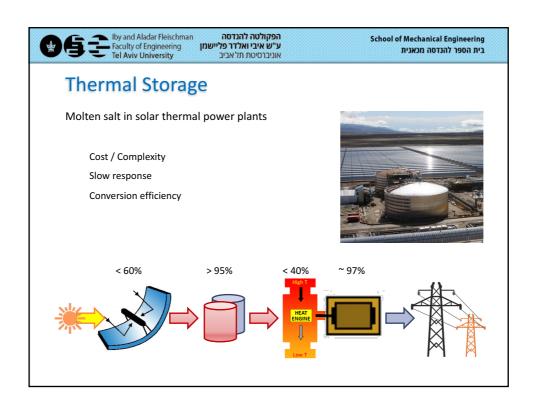
School of Mechanical Engineering בית הספר להנדסה מכאנית

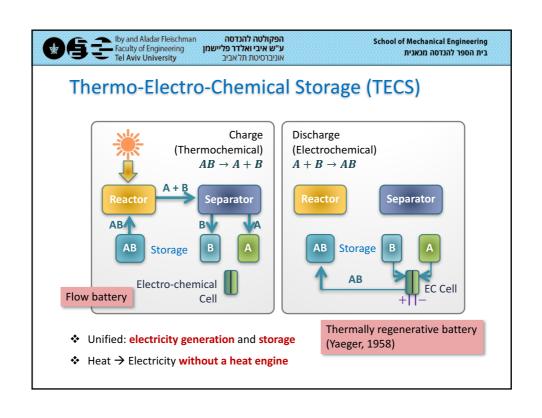
Solar Electricity with Thermo-Electro-Chemical Storage (TECS)

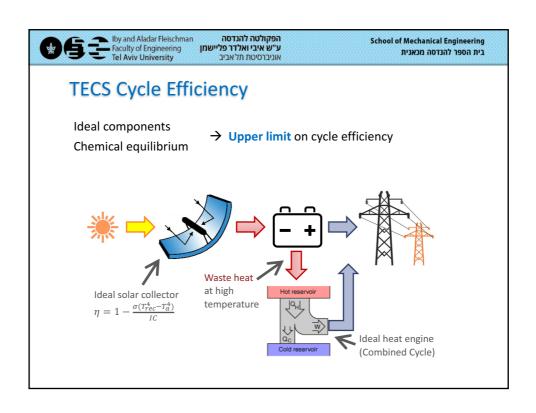
Erez Wenger, Michael Epstein, Avi Kribus

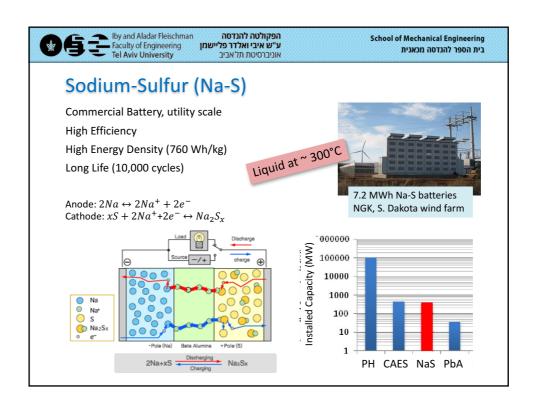
School of Mechanical Engineering Tel Aviv University

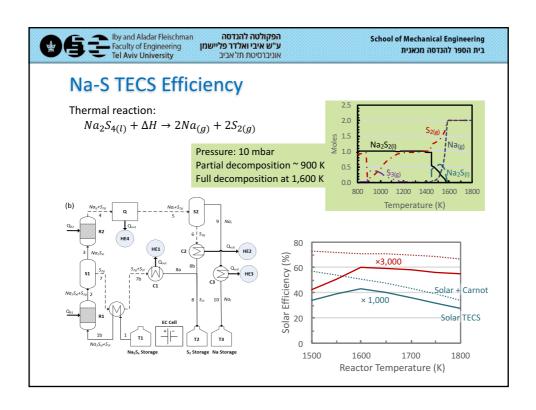


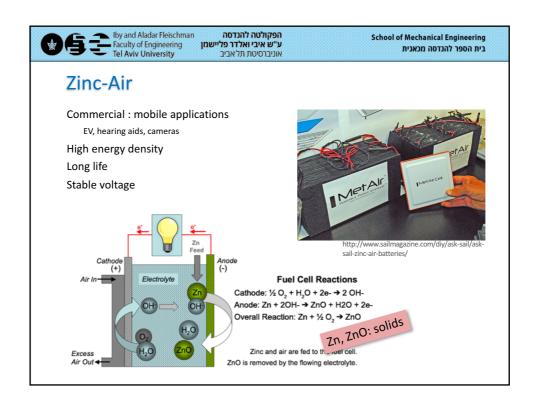


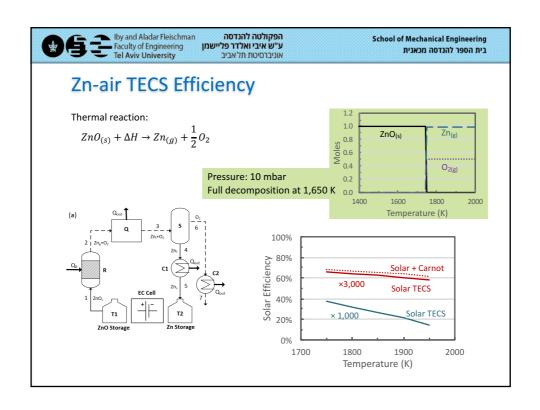


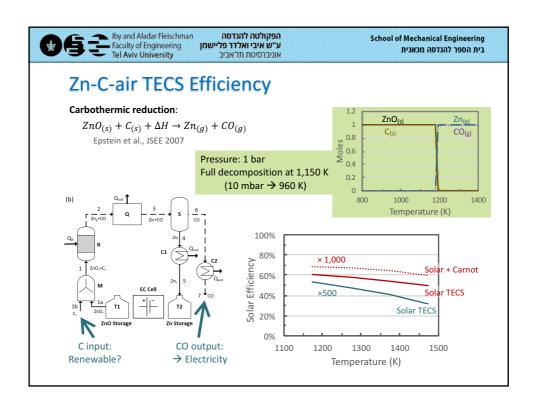














ה<mark>פקולטה להנדסה</mark> ע"ש איבי ואלדר פליישמן אוניברסיטת תלאביב

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Conclusions

Unified conversion & storage concept with:



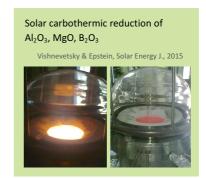
- High efficiency (theoretical limit)
- Decouple capacity vs. power (flow battery)



- High operating temperatures
- Need waste heat capture

Future Work

- Other chemistries
- Realistic engineering analysis
- Experimental validation





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