



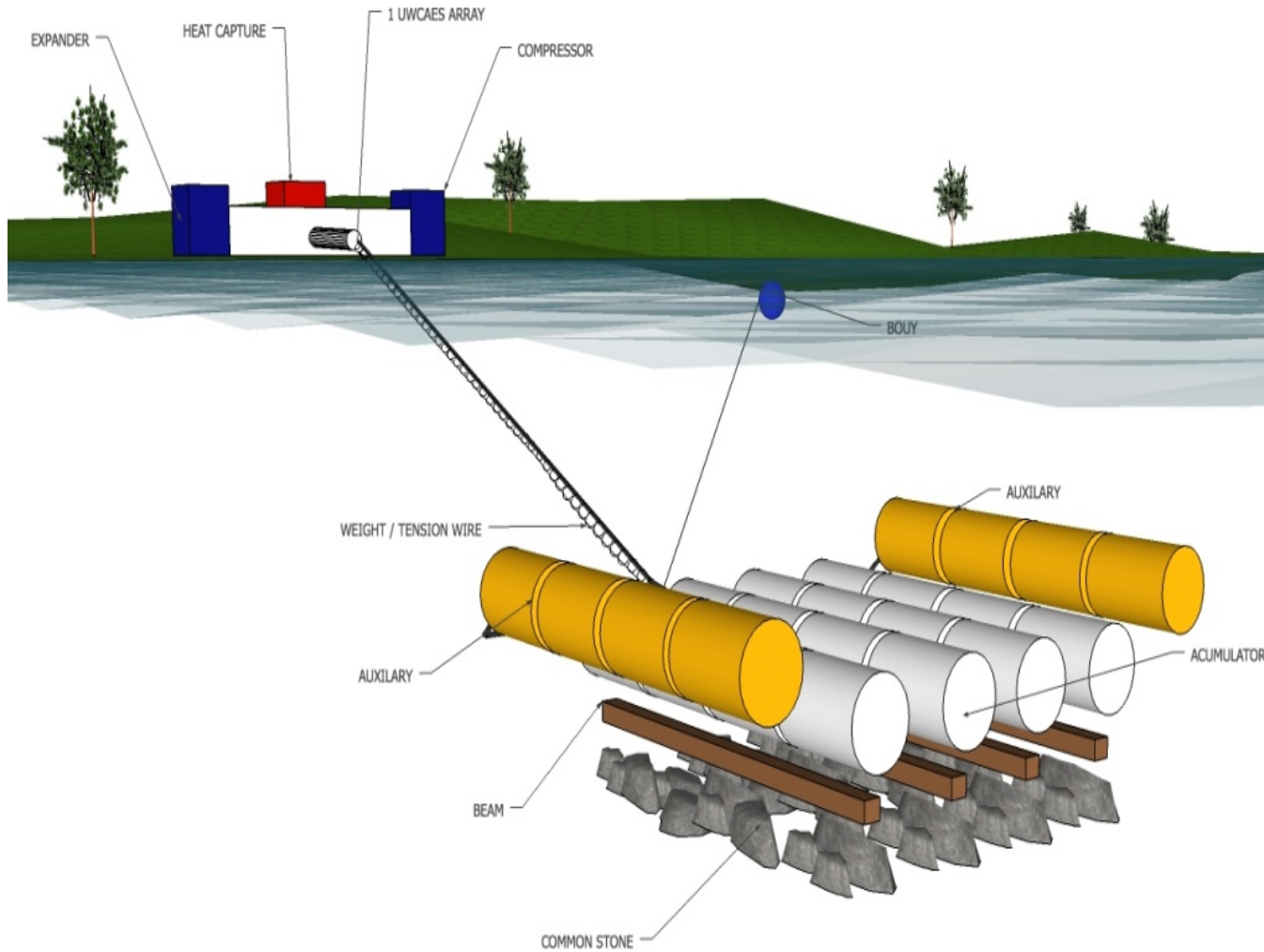
Low-Cost Scalable Energy Storage

www.hydrostor.ca |

Curtis VanWalleghem, CEO |

curt@hydrostor.ca

Low Cost & Scalable Bulk Load-Shifting



INPUTS

Air,
Electricity

Air Compression
(platform/shore)

Heat Capture
(platform/shore)

PROCESS

Air
Storage
(underwater)

Heat
Storage
(platform /
shore)

Heat Injection
(platform/shore)

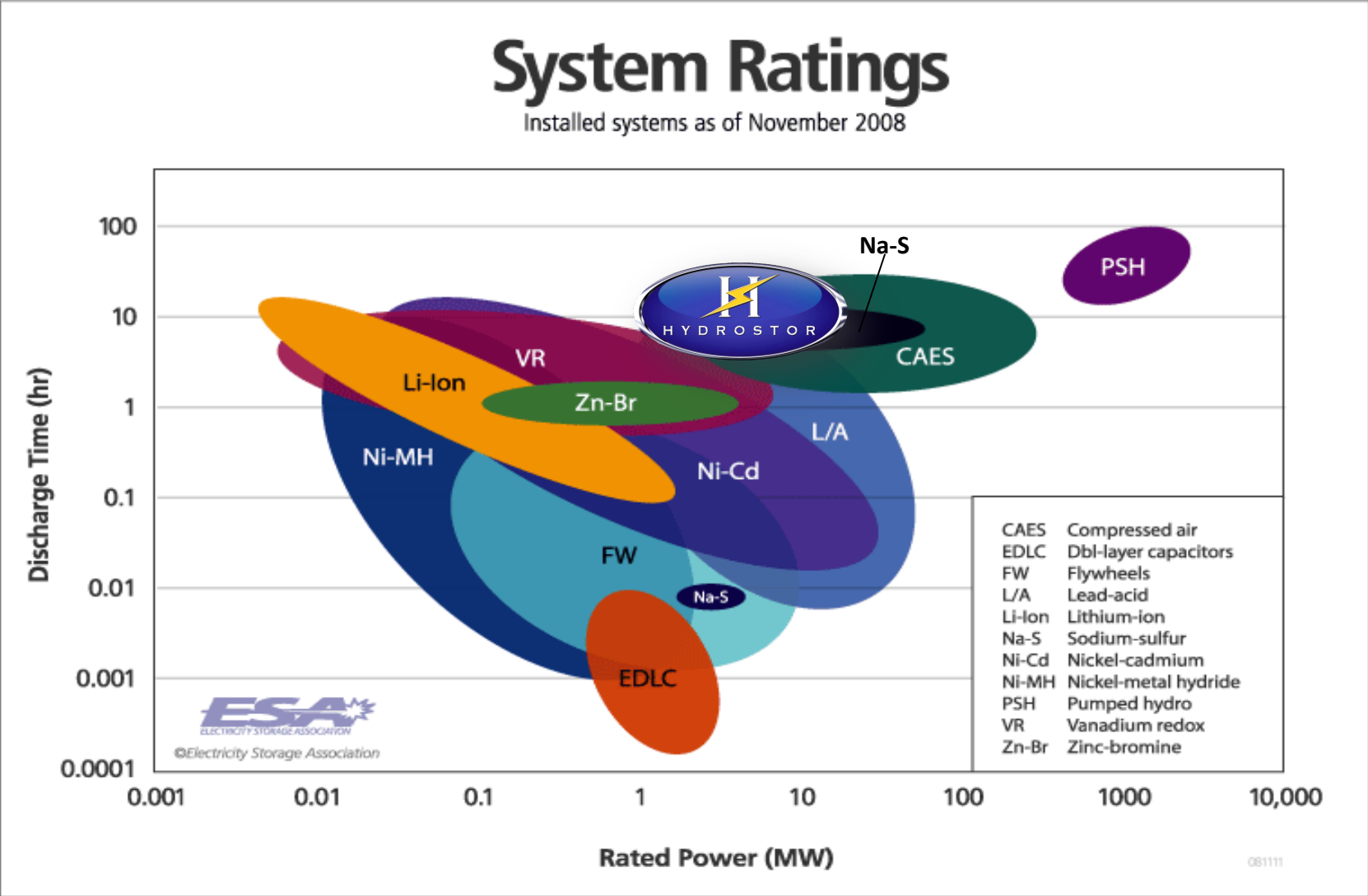
Air Expansion
(platform/shore)

OUTPUTS

Air,
Electricity
(70% of input)

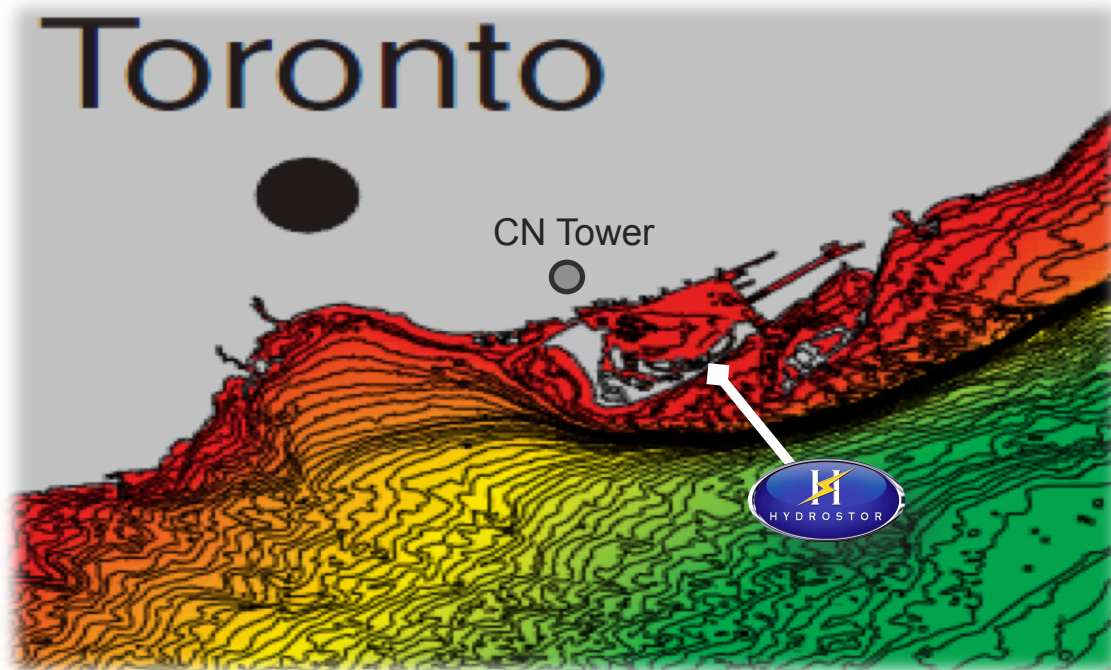


Storage Landscape



Worlds 1st UW-CAES Facility

- **Scale:** 1MW with 4 hours of storage (4MWh)
- **Schedule:** Kick-off Q4-2012; Commissioning Q3-2013
- **Permitting:** Class-A, permits pending
- **Application:** Load-shifting, T&D deferral, Operating Reserve
- **Contract:** TBD (Demand Response, Operating Reserve)



Highlights

- 7,000 m³ air cavity
- ~1 Football Field
- 80m Depth
- 5 km off-shore
- Distribution connected





Unleash the Power Below!