Vision: Safe, secure and affordable nuclear energy for a clean and sustainable world

Mission: License and build a commercial molten salt reactor in the 2020s

July 2016
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NUCLEAR INFRASTRUCTURE COUNCIL

12th July 2016

Special Summit on Global Nuclear Energy Markets
“NUCLEAR ENERGY” IS A RICH TAPESTRY

Liquid fuel, salt cooled burners offer unique competitive advantages

Solid-fueled systems have common challenges

MSR...the road not taken

Today, the market factors driving reactor development are different:

- Cost innovation through passive safety
- Small modular reactors
- Hot operation for Industrial Process Heat use

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TERRESTRIAL ENERGY’S IMSR™

Growing market demand for energy innovations that “change the game” – driven by escalating demands for scalable clean energy solutions for all industry, not just the grid

Unique Safety Case of IMSR™ supports commercially critical cost-innovation

- Potential to dispatch heat and power at life-of-plant costs that are competitive with fossil fuel alternatives

IMSR™ produces 600 °C BTUs in the form of a hot solar salt

- Applicable to many industries
- Balance-of-plant is remote and IMSR BTU use is expected to be a non-nuclear activity

IMSR™ has a high level of technology readiness

- No substantive technical issues remain
- Ordinary detailed nuclear engineering work required for IMSR™ commercialization
- First Commercial Plants in the 2020s

IMSR™ can play a very broad role in our primary energy system
CONTACT DETAILS

THANK YOU!

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