



## How Thorium Fits in a Green-Tech Future, Museum Project Progress and Updates from Copenhagen Atomics.

Last week, the Thorium Energy Alliance presented the Caldera pure green steel project to the American Institute of Steel Technology annual conference. The talk was given in order to help global steel producers understand how to integrate nuclear process heat for hydrogen production so they could make potentially carbon-free steel. It also introduced top-level technologies that have just now become mature enough so that industrial hydrogen can be made at scale at comparable economies to natural gas.

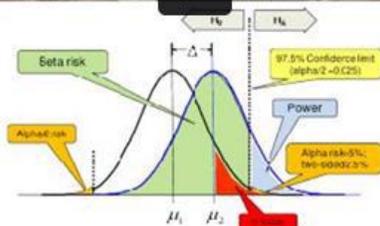
In the presentation, which you can watch below, we focused on the enabling technologies and introducing the green steel process. A more detailed explanation shows why Thorium Energy Alliance would devote resources to this project. A large part of the steel process would also involve creating a stream for critical materials Rare Earth and Thorium. This project would enable us to build the first fully operational thorium bank. Additionally the technology and funding streams would enable thorium-based materials and fuel research.

Finally, green steel would let us pursue the opportunity to fund the development and rollout of high temperature molten salt reactors based on thermal molten salt power storage systems that we speak about in the presentation video.

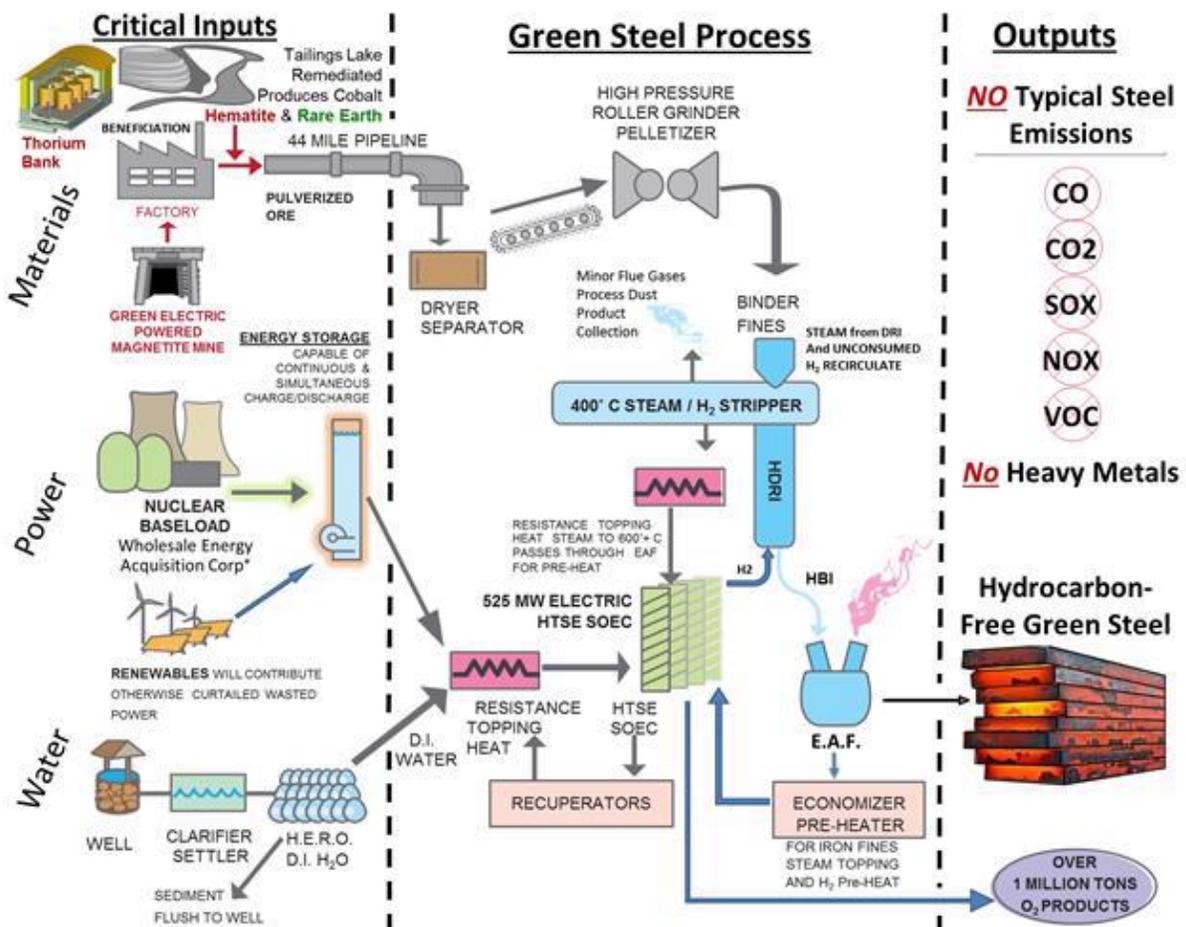
This first integrated steel project to be built in the United States in decades would be the linchpin to enabling Advanced Reactor technology, preserving the existing light water fleet, proving out storage and hydrogen technologies, and fully realizing the thorium bank and the eco system of technologies that would develop around this large industrial project of the future. Today.

We understand that this project will be the pathway to show the world that thorium and nuclear energy is the most economic way to produce industrial goods, create new high paying jobs, preserve the environment and ensure prosperity and abundance starting right now today.

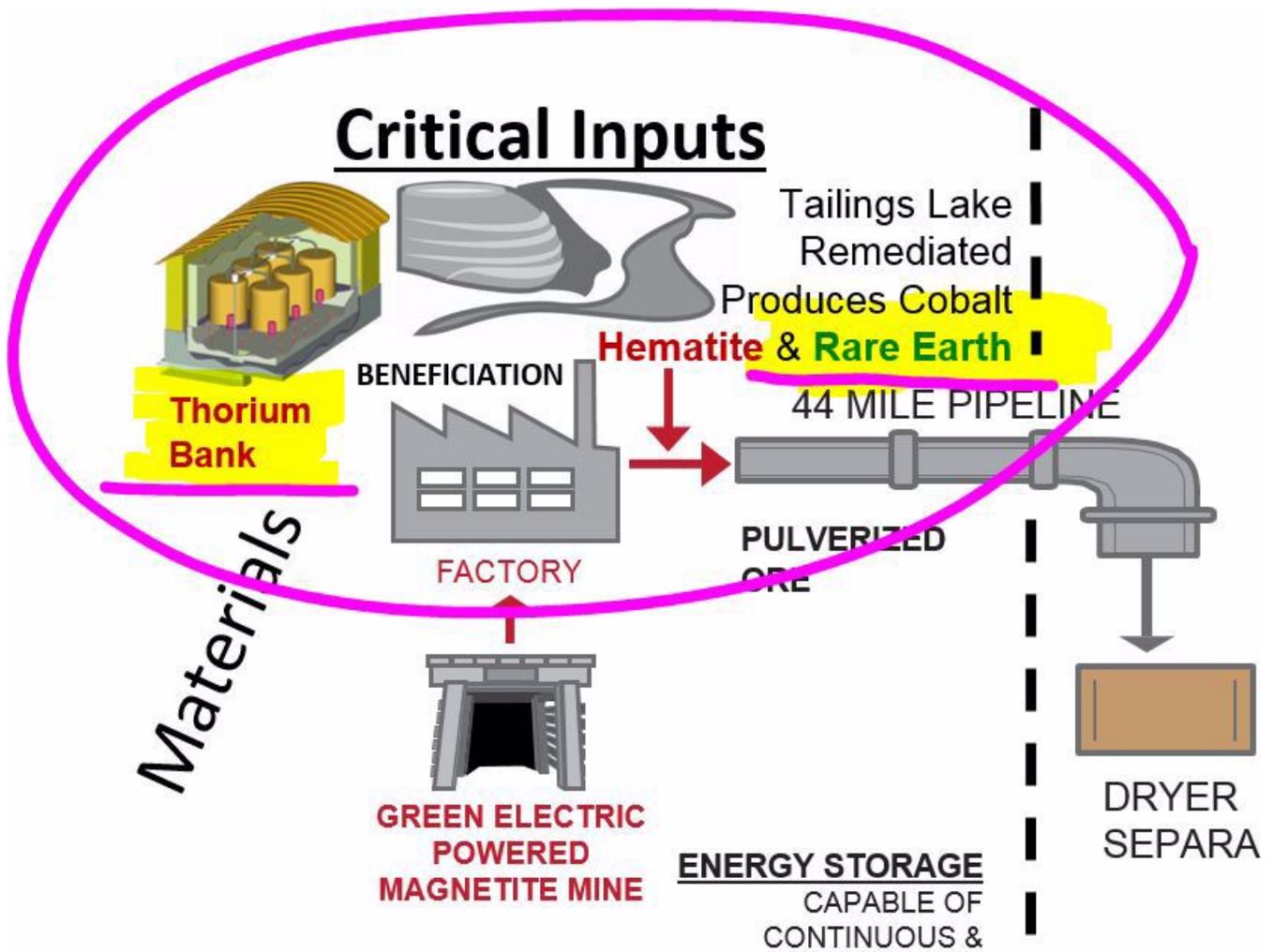
Please spread the word, and share this presentation. Also, if you have knowledge of influencers or decision-makers in industry or government that could benefit from this please let them know and let us know who we may contact.



John Kutsch, Executive Director, presents at AISTech 2021 (Nashville, TN)



Top level flow sheet showing all the major subsystems that need to be combined to make the final integrated Steel project



This detail shows the integral nature of the Thorium Bank in the tailings, rare earths and critical materials operations of the Caldera Pure Green Steel Project

**Museum Project: Promoting Thorium and MSRs**  
 The Thorium Energy Alliance has been in recent discussions with the National Museum of Nuclear Science and History to restart developing a Thorium and Molten Salt Reactor interactive exhibit. We are still in the pre-planning stage but want to focus on the incredible uses of Thorium and MSRs, showing the rich history and the future potential of a Thorium-fueled nuclear future. We are really excited to get this project up and running again, we feel thorium education is key to getting decision makers, and the public at large, interested and proactive to building a thorium future.

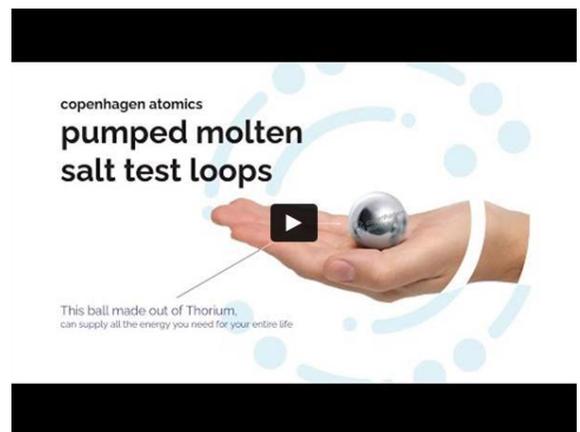


**Copenhagen Atomics: Forging ahead in Salt Loop Technology and Testing**

Copenhagen Atomics started building molten salt loops several years ago as a necessary next step towards achieving their goal of building molten salt reactors on an assembly line. Below is a recent webinar that explores their experience, lessons learned, operation and understanding the results.

Copenhagen Atomics has also announced an upcoming project developing molten salt thermal storage as a means for improving grid performance while advancing their core MSR technology, an integral part of their stated mission. CA will join the Danish Center for Energy Storage, along with a prominent list of sustainable energy players, collaborating to explore opportunities to develop energy storage solutions.

Looking to become part of the team? CA is currently expanding and looking to add new talent to the team. There are several [current open positions](#).



Thanks to all the support from members new and old. We can't do this without you.

John Kutsch  
 Executive Director

**Support the TEA**

