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# Energy Sovereignty instead of Crisis Imports: Emerald Horizon Presents Technological Answer to Middle East Escalation

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**Graz, May 13, 2026** – In light of the dramatic escalation in the Strait of Hormuz and skyrocketing energy prices, Norbert Hofer, Vice President of Graz-based Emerald Horizon AG, calls for a radical shift in European energy policy. With its "Accelerator-Driven Energy System" (ADES), the company offers a Thorium-based baseload technology that could liberate Europe from geopolitical vulnerability.

The current conflict in the Persian Gulf has sent the European energy market into a state of shock. With oil prices exceeding \$100 and massive disruptions in gas supply, it has become clear: the previous strategy of merely shifting dependencies (from pipeline gas to LNG) has failed.

"What we are currently experiencing is the end of the 'principle of hope' era in energy policy," explains Norbert Hofer. "Europe is acting unarmed on the energy front because we have built our security of supply on fragile supply chains through crisis regions. True independence is not created by seeking new suppliers, but through technological sovereignty."

## **ADES: The Technological Firewall Against the Crisis**

While policymakers debate emergency contingency plans, Emerald Horizon provides a scalable solution. ADES (Accelerator-Driven Energy System) is a subcritical Thorium-based microreactor that fundamentally changes the rules of energy production:

- **Geopolitical Resilience:** Thorium is globally abundant—including within Europe. This eliminates the reliance on unstable raw material suppliers.
- **Physically Guaranteed Safety:** As a subcritical system, ADES requires an external particle accelerator to maintain the reaction. If the accelerator is switched off, energy production stops immediately. A "meltdown" in the traditional sense is physically impossible.
- **Solving the Waste Challenge:** The Thorium cycle produces almost no transuranic waste. A politically deadlocked "final disposal problem" is thus solved through applied physics.

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- Baseload 2.0: Unlike volatile renewable sources, ADES provides reliable energy around the clock—independent of weather conditions and suitable for decentralized deployment.

### **An "Airbus Moment" for European Energy**

For Hofer, the current crisis serves as a necessary catalyst for an industrial realignment. "We can no longer afford to be mere managers of scarcity. With Emerald Horizon, Austria has the opportunity to provide a key technology for the entire continent. ADES is the answer to how we secure prosperity and our industrial future without subjugating ourselves geopolitically."

### **ABOUT EMERALD HORIZON**

Emerald Horizon AG, headquartered in Graz, is a leading DeepTech company specializing in sustainable energy solutions. Focusing on Thorium-based accelerator systems, the company is developing the next generation of CO<sub>2</sub>-free baseload power for an independent European future and is currently preparing for a stock exchange listing.

For further information: [www.emerald-horizon.com](http://www.emerald-horizon.com)

### **PRESS IMAGE**



**Photo:** Ing. Norbert Hofer, MBA, Vice President of Emerald Horizon © Fuchs

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