EnFloTech

WEBINAR · OPENING ADDRESS · 3 NOVEMBER 2026

Energy in the 21st Century.

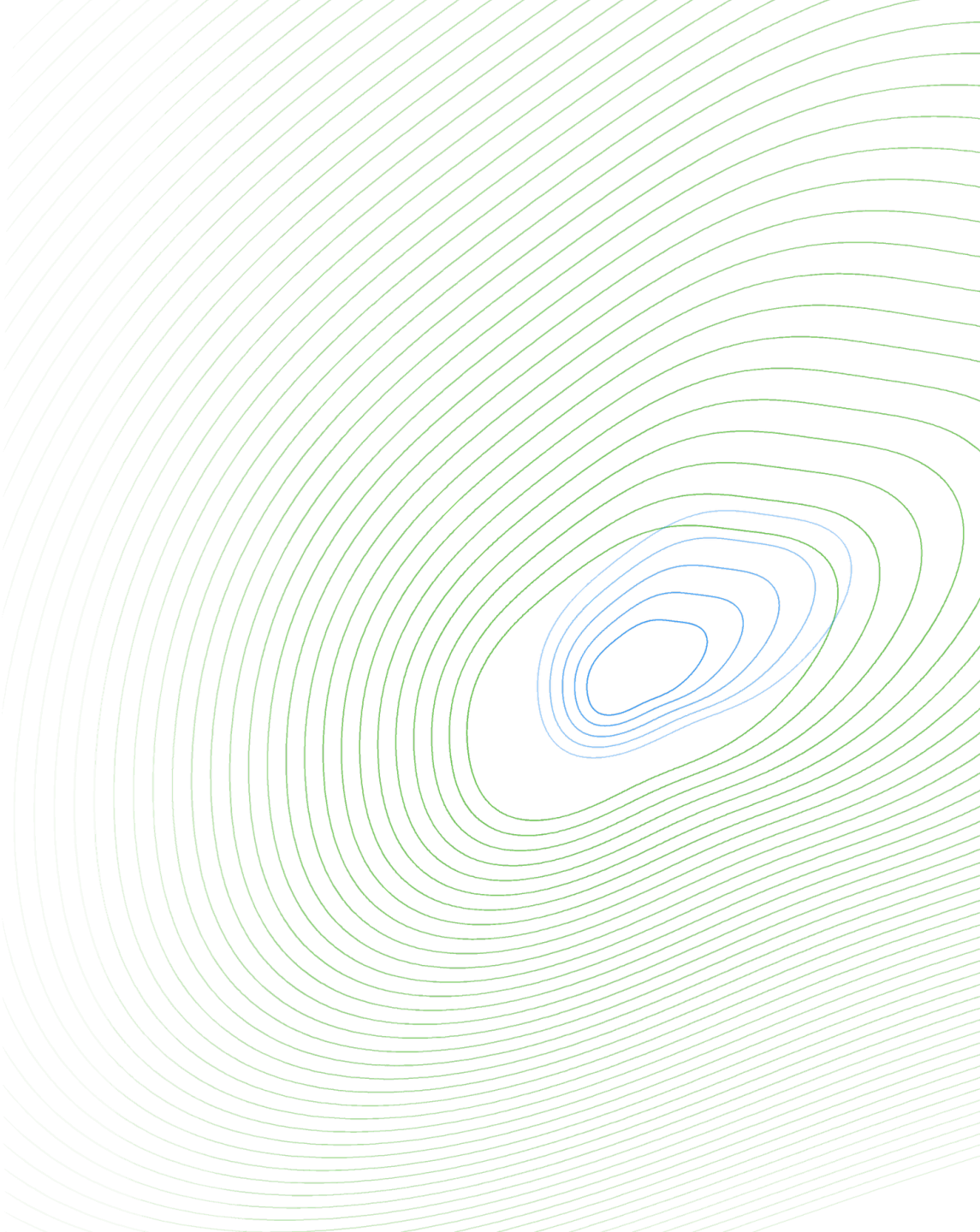
Legacy and new energy technologies, at one table.

Welcoming everyone, from across the globe.

A pragmatic conversation. A technology showcase.

IN PARTNERSHIP WITH

AirCure · HSA Industrial Solutions · Rotech Systems and Encoders · Hueck Solar Energy



A pragmatist's view.

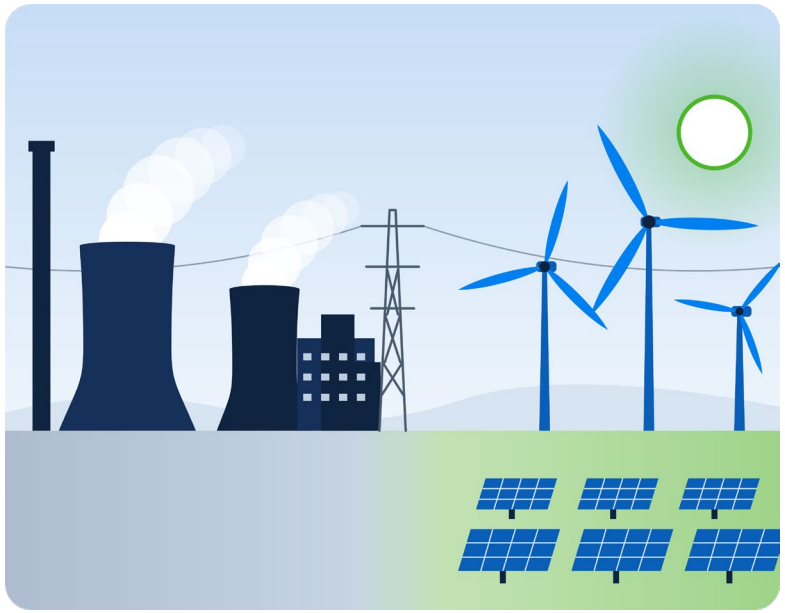
Two truths can sit at the same table.

STILL TRUE

We need stable base loads.

Growing economies still require affordable, reliable energy in order to grow. Pragmatic engineering acknowledges this.

Secure · affordable · accessible to all



ALSO TRUE

The transition is real.

Renewables are growing fast and reshaping the energy mix — and it is genuinely complex, across technology, capital and policy.

Sustainable

- **Ignoring either side gets us nowhere.**

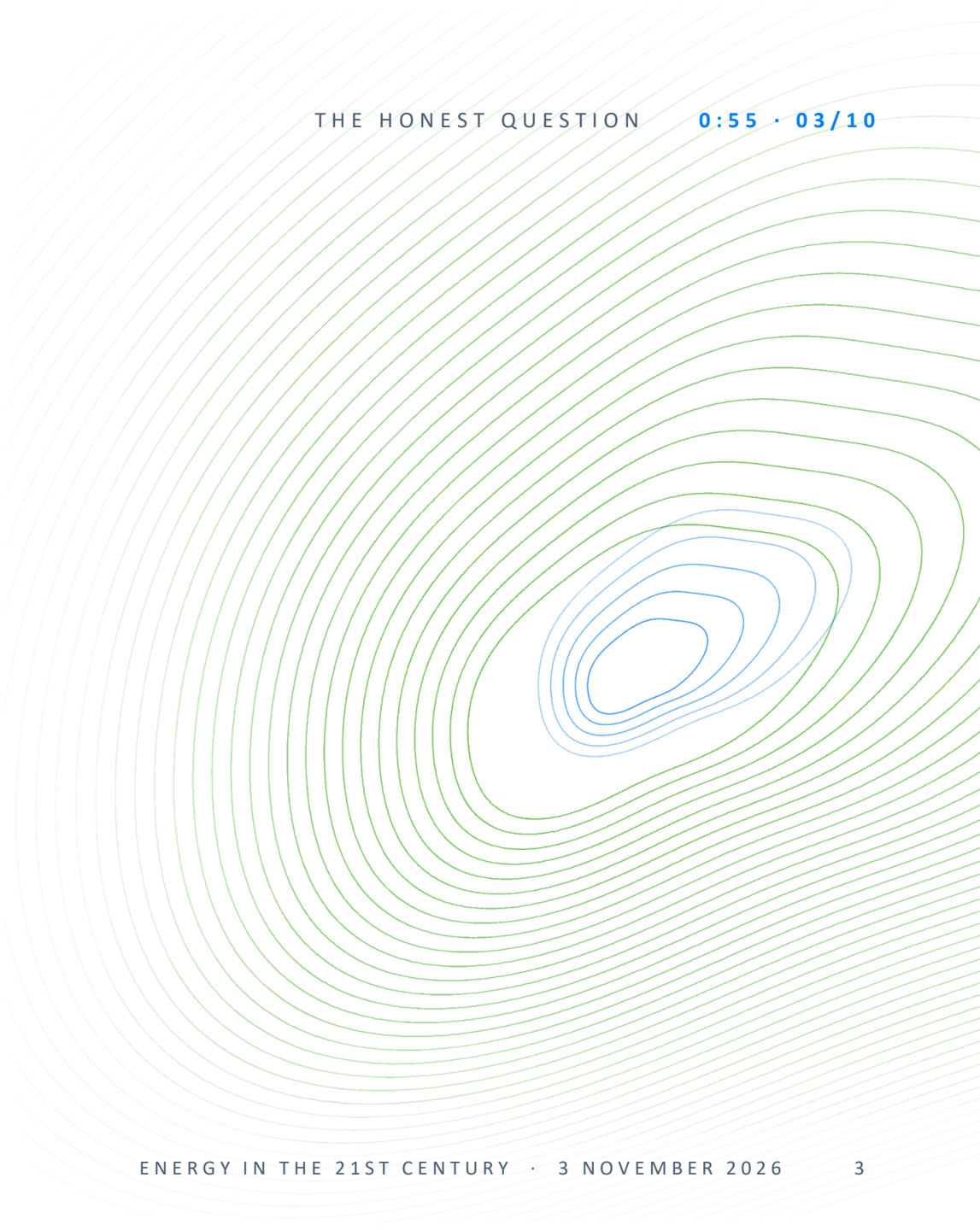
The honest question.

We cannot ignore the carbon footprint that coal leaves behind.
We cannot ignore the pollution it produces.

So, for those of us operating within this legacy industry —

What are we *doing about it?*

- That is the conversation this tech chat is here to have.



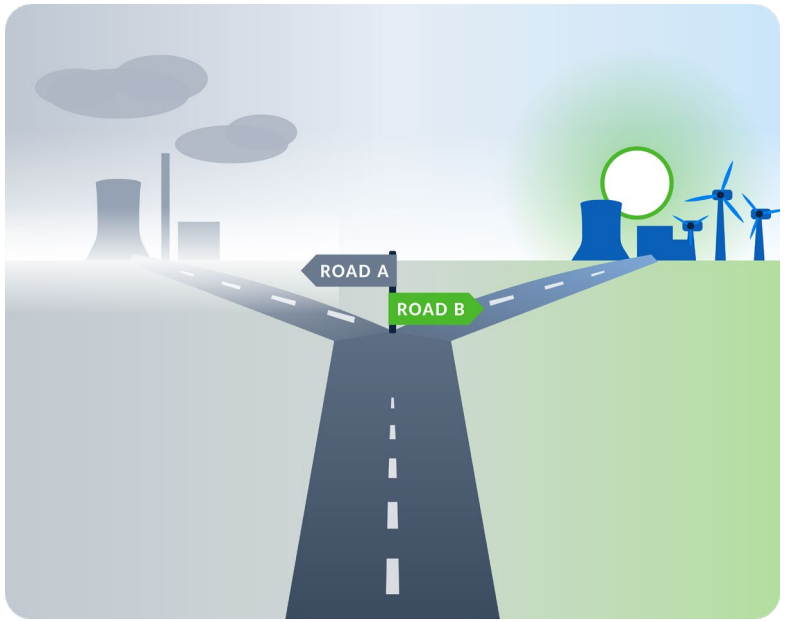
We have a choice.

Debate the transition — or come to the table and engineer it.

ROAD A

Debate from the sidelines.

- Enjoy success in the short term.
- Be criticised for the wrong reasons.
- Let others write our narrative.
- Argue about the transition instead of engineering it.



ROAD B

Come to the table.

- Acknowledge where we fall short.
- Let engineering and science do the talking.
- Revive the legacy through ideas, not defence.
- Make room at the table for new energy technology.

I prefer Road B.

This is not a political debate.

It is a technology showcase.



// 01

Visions

Where the energy industry can go next



// 02

Experiments

Active R&D, prototypes and trials



// 03

Proven Tech

Commercially mature solutions



// 04

Real Companies

Real people, real operating plants

ON THE TABLE TODAY

Clean coal technologies · Energy transition challenges · A dual energy landscape · Concentrated solar power · The role of AI · Simulation

Fossil fuels and renewables, at one table.

The energy debate will not be settled by one side alone. Addressing it — and finding pragmatic solutions — requires both at the same table, and what they share is the place to start.

LEGACY ENERGY

Fossil fuels

- Stable, affordable base load
- Clean coal technologies
- Lower NOx, lower particulates
- Decades of operating data
- Still powering growing economies

WHAT WE SHARE

Physics
The same thermodynamics — heat, steam and flow

Engineering
Design, simulation, measurement and discipline

Energy
Reliable, affordable power for people and industry

The backbone of economic security and a safe environment.

NEW ENERGY

NEW

Renewables

- A growing share of the mix
- Concentrated solar power
- Wind and solar PV
- Storage and grid integration

At the table today: Hueck Solar Energy, Germany — concentrated solar power.

- **Pragmatic solutions require both at the table — not one or the other.**

Decades of data. Digital twins × AI.

We have something most energy sources don't — decades of measured plant behaviour, and now the tools to bind it to live data, physics and agentic AI.

// 01

PLANT

The operating asset

// 02

DATA

DCS · condition monitoring · 3D scans

// 03

DIGITAL TWIN

Geometry + physics, built with simulation tools

// 04

AI

Agentic systems acting on the twin

UNLOCKS / WHAT THIS COMBINATION MAKES POSSIBLE

- Preventative maintenance
- Predictive failure analysis
- Scenario simulation
- Just-in-time spares
- Lower NOx · lower SOx
- Zero-emission reality

Real projects. Real companies. Real people.

01 **Sasol Low NOx Project: A Holistic Approach**
Abrie Preller · EnFloTech

02 **The Patented EnFloTech Split Loading Frame for Pendulum-Type Roller Mills**
Matthew Muller · EnFloTech

03 **The Role of Cyclonic Separation in Effective Particulate Matter Emissions Reduction**
Darren Bibby · AirCure

04 **Coal Pulverisers & Mill Wear: HSA's Solutions, On-Site Support & the Business Case**
Ivan Holl & Sias Suurd · HSA Industrial Solutions

05 **Thermo-Hydraulic CFD Investigation of a PF-Fired Drum-Type Steam Generator**
Christo van der Merwe, Simphiwe Mvubu, Blake Pereira-Morrison & Karungari Migwi · Rotech Systems and Encoders

06 **Game-Changer Technology for Concentrated Solar Power** NEW
Dr Ulrich Hueck · Hueck Solar Energy, Germany

- *Join us in becoming a pragmatic energy solution centre of excellence.*

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AIRCURE

hsa

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ROTECH SYSTEMS