

KETs2026 reloaded – EU brokerage event September 24, 2026 (and beyond) | online



Workshop 1 - Manufacturing, Circularity & Energy-Intensive Industries

Anna Röhnelt
German Industrial NCP (PtJ)

Pitches by the Participants

1. Kevin Hallas (Holdson Ltd.)
2. Judy El Jablaoui (Zeopore)
3. Vinod-Kumar Banoth (HS Nordhausen)
4. Oliver Kutsch (Ceresana)
5. Ibon Ocaña (ceit)
6. Konrad Steiner (Fraunhofer ITWM)
7. Robin Huniar (InfinEM)
8. Angelo Gordini (OPTIT)
9. Hristo Zhelev (ECD)

Kevin Hallas (Holdson Ltd.)

Holdson | Electroform[®] precision finishing



- **UK advanced manufacturing SME**
- Electroform[®] is a digitally controlled, non-contact electrochemical process for precision finishing complex metal components.
- External surfaces, intricate features and difficult-to-access internal channels
- CAD/CFD-led process development, engineered tooling and digital control
- CE-marked equipment and application-specific finishing processes
- Aerospace, energy, automotive, medical and other high-value sectors
- Industrial delivery and collaborative UK R&D experience; new to Horizon Europe

Precision finishing for advanced manufacturing



THE CHALLENGE

Additive manufacture and repair create valuable geometries, but rough surfaces and inaccessible features can limit qualification, fatigue performance and industrial adoption.

WHAT HOLDSON CAN CONTRIBUTE

- Integrated digital chain: AM/DED or repair → Electroform® → metrology and validation
- Controlled material removal without mechanical contact
- Simulation, tooling, process recipes, equipment and industrial trials

PARTNERS SOUGHT

Coordinators, EU manufacturers and RTOs, AM/DED specialists, metrology and digital-twin partners, and aerospace or energy end users.

Target topics: MAT-PROD-02 and MAT-PROD-03 | Open to MAT-PROD-61 collaborations

Let's build the finishing stage together

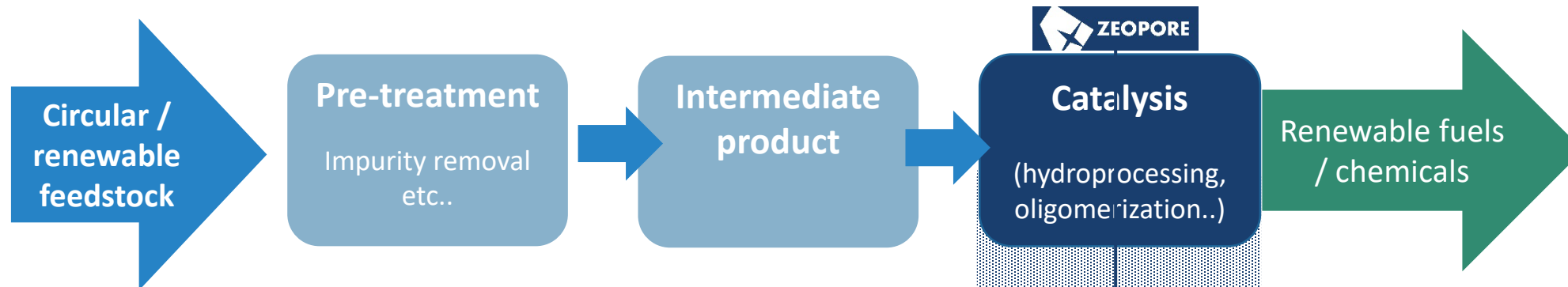


Contact person	Kevin Hallas Head of New Projects
Organisation	Holdson Limited
Country	United Kingdom
E-mail	kevin.hallas@holdson.co.uk
Website	www.holdson.co.uk
Technology	www.holdson.co.uk/electroform/

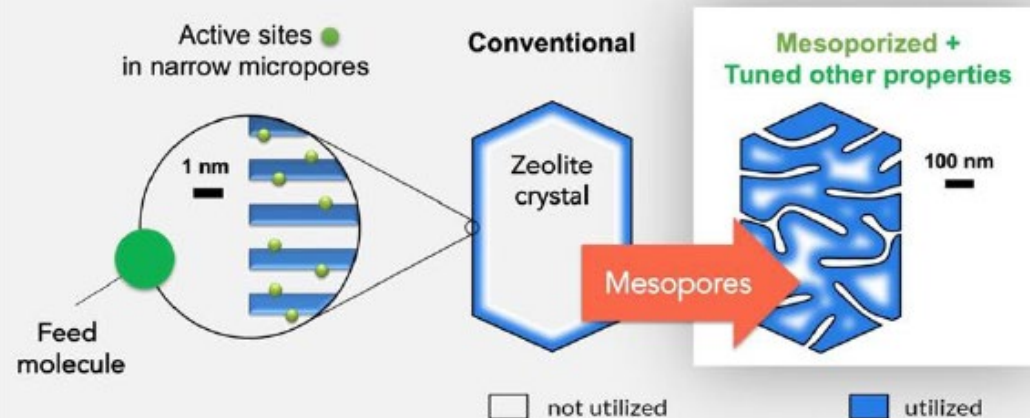
Judy El Jablaoui (Zeopore)



Advanced catalysis for sustainable fuels & chemicals



Precision pore engineering.



Drop-in

- No retrofitting
- Process and CAPEX efficient

Selectivity & Stability

- Higher bottom line
- Low hydrogen consumption

Adv. Tuning platform

- Broad application range
- Tailored solutions

Cost efficiency



Ready for commercial roll-out

Contact details



Judy El Jablaoui
Account manager

Access Matters

ZEOPORE TECHNOLOGIES NV

Leuven, BE

Judy.eljablaoui@zeopore.com

+32 471 80 13 45



Vinod-Kumar Banoth (HS Nordhausen)

Hochschule Nordhausen (HSN) – ThIWert

Green-Tech · Circular materials · Recycling technologies · Applied transfer

Institutional information

- HSN is an applied-sciences university and regional innovation driver with a Green-Tech research focus.
- ThIWert is a joint research centre of HSN, Bauhaus-Universität Weimar and IAB Weimar, founded in 2018.
- Infrastructure in Nordhausen: ca. 4,500 m² testing/research area plus 680 m² laboratory and workshop space.
- Mission: solve disposal challenges, develop recycling technologies and create added value for environment, people and companies.

Skills and expertise

- Resource efficiency, circular economy, recycling processes and modular recycling plant concepts.
- Process testing and optimisation of aggregates and complete technology chains.
- Biochar / biomass-derived carbons, carbon composites, battery and hydrogen component materials.
- Practice-relevant analytics, purity/yield assessment, sustainability, transfer and regional industry cooperation.

EU & cooperation profile

- Experience in preparing and coordinating international R&D concepts and partner matchmaking.
- Relevant themes: advanced materials, clean energy, circular bioeconomy, recycling and resource resilience.
- Open for EU consortia: applied research, pilot testing, validation, LCA/TEA and knowledge transfer.

Contact:
[Vinod-Kumar Banoth \(M.Eng\)](#)

Hochschule Nordhausen
Transferscout | Wissenschaftlicher Mitarbeiter
Transferwerk (T-HSN) | ThIWert – Thüringer Innovationszentrum für Wertstoffe

Weinberghof 4, 99734 Nordhausen, Germany
Telefon: +49 (3631) 420 142
vinod-kumar.banoth@hs-nordhausen.de
<https://www.hs-nordhausen.de/>

Looking for partners in circular materials, carbon recovery, hydrogen components, batteries and recycling pilots.

Oliver Kutsch (Ceresana)

From technological innovation to market impact

Independent market intelligence & commercialisation partner for technology-driven industrial innovation and EU-funded projects

Ceresana turns technical innovation into market evidence, customer relevance, credible business cases and routes to exploitation, commercialisation and market uptake.

Since 2002

20+ years of
market research

300+

published
market studies

10,000+

clients
worldwide

SME

Konstanz,
Germany

CORE INDUSTRIAL FOCUS

Chemicals · Advanced & bio-based materials · Plastics · Packaging ·
Construction · Circular economy · Energy & storage · Industrial technologies

Ceresana strengthens the market and commercialisation side of technology-driven projects.

We strengthen the market and commercialisation side of technology-driven innovation projects.

From market intelligence to real-world impact.

Market & Application Intelligence

- Market sizing / TAM-SAM-SOM
- Applications & customer segments
- Competitors & demand drivers

Customer & Stakeholder Validation

- Expert interviews
- Customer needs & purchasing criteria
- Market acceptance & willingness-to-pay

Business Cases & Go-to-Market

- Business models
- Positioning & pricing
- Market entry & investment readiness

Exploitation & Commercialisation

- KER assessment
- Licensing & partnership options
- Exploitation routes

Value Chain, Scale-up & Impact

- Partner mapping
- Replication & transferability
- Scale-up pathways & impact evidence

EU CONSORTIUM EXPERIENCE — 2026

First participation in EU funding consortia:

6 CBE JU proposals · 7 Horizon Europe proposals · 2 RAMP proposals

POTENTIAL CONSORTIUM ROLE

Lead or co-lead Market Intelligence, Business Case, Exploitation & Commercialisation activities / work packages.

WE ARE LOOKING FOR

Coordinators, technology developers, research organisations and industrial partners preparing European R&I proposals where market evidence, customer validation, business cases, exploitation or commercialisation can strengthen the project.

We provide the market evidence evaluators expect — and the commercialisation logic technology partners need. | KETs2026 fit: manufacturing & circularity · raw & advanced materials · industrial technologies · energy/bioeconomy-related innovation.

Let's connect

We look forward to your questions, project ideas and collaboration enquiries.

Whether you are building a consortium, looking for a market and commercialisation partner, or need independent market intelligence for your innovation project — let's talk.

Oliver Kutsch

CEO
Ceresana eK

PHONE [+49 7531 9429 70](tel:+497531942970)

E-MAIL o.kutsch@ceresana.com

LOCATION Konstanz, Germany

WEB www.ceresana.com/en

KETS2026 PROFILE b2match.com/e/kets2026-reloaded/participants/3602794

LINKEDIN linkedin.com/in/oliver-kutsch-21510987/

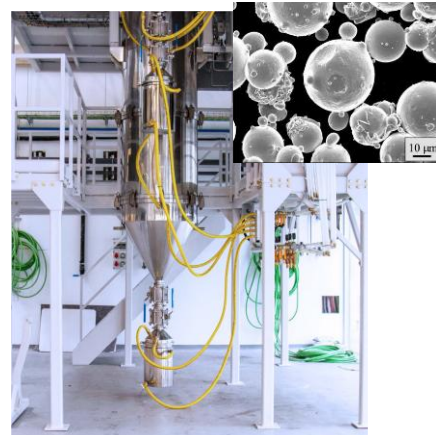


Looking for a consortium partner — or independent market intelligence for your innovation project? Let's talk.

From innovation to market impact — together.

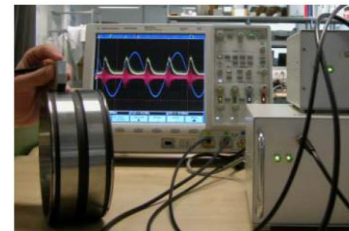
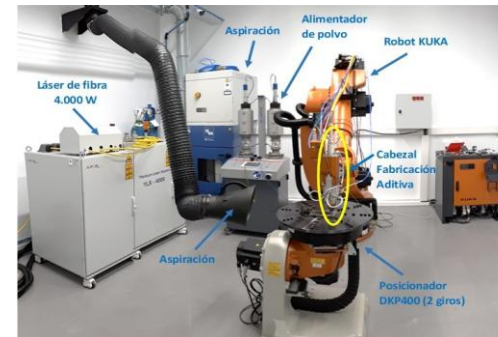
Ibon Ocaña (ceit)

Non-profit RTO in San Sebastian (Spain), started in 1982 (School of Engineering – U Navarra)



Multidisciplinary RTO:

- Materials and Manufacturing
- Decarbonization Technologies
- Advanced Digital Solutions



270 people



+ de 300 jobs in spin-offs



+ 100 EU projects



25,5 M€



Main Topics of interest

HORIZON-CL4-2027-01-MATERIALS-PRODUCTION-02:

Advanced manufacturing for key products (IA) (Made in Europe Partnership)

HORIZON-CL4-2027-01-MATERIALS-PRODUCTION-03:

Factory processes and automation for de- and re-manufacturing (RIA) (Made in Europe partnership)

HORIZON-CL4-2027-01-MATERIALS-PRODUCTION-22:

Innovative advanced materials and new production processes – reducing dependencies on Critical and Strategic Raw Materials (IA) (Innovative Advanced Materials for the EU and Processes4Planet partnerships)

HORIZON-CL4-2027-04-DIGITAL-EMERGING-05:

Apply AI: AI-Driven Robotics for Industry: Enabling System Integration and Adoption (IA) (Partnership in AI, Data and Robotics)

HORIZON-CL4-2027-02-DIGITAL-EMERGING-52:

New approaches for Human/AI collaboration for the workforce of the future (RIA) (Made in Europe and AI, Data and Robotics partnerships)

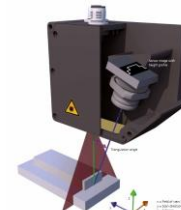
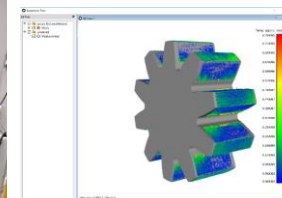
Ceit capabilities

Pilot plant for metallic powder production and Additive Mfg (DED, LPBF, BJ)

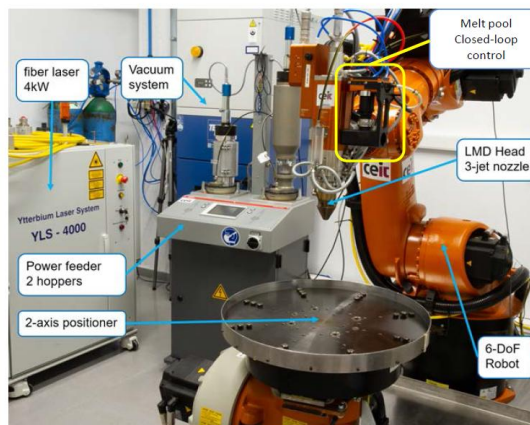


Collaborative robotics

- Disassembly (artificial vision)
- Internal Logistics
- In-line inspection (e-magnetic / optical)



Femto laser for surface functionalization



Contact details

Contact: Ibon Ocaña

Ceit (<https://www.ceit.es/en/>)

San Sebastian-SPAIN

iocana@ceit.es

[IBON OCAÑA | KETs2026 reloaded](#)

[Ibon Ocaña | LinkedIn](#)



Konrad Steiner (Fraunhofer ITWM)

Organisation name

- Institutional information on your organisation
- Your skills and expertise
- Past experience in EU-funded projects (if any)
- You can use text, diagrams, photos, etc. to present your organization

Due to the limited time, the space to present your organisation is strictly limited to one slide – additional slides will be removed by the organiser and will not be available during the Brokerage Event!

Maximum size of the file: 2 MB!

Deadline to send your presentation: 20th of September 2026

Contact: Michael Wessel – m.wessel@ptj.de

AI-driven Simulation and Design of Complex flows in Production processes

Dr. Konrad Steiner: Department "Flow Processes", Division "Processes & Materials", Fraunhofer ITWM, Germany

Modeling, simulation, optimal design and software tools for Fluid Dynamic Production Processes

Complex Fluid Dynamics & Multiphase flow

Particle and Fibre Suspension, Foam expansion,
Injection moulding, Potting, Glass production, Mixing

Dynamics of Threads, Fibers, and Filaments

Spinning, Fiber dynamics, Lay-down (wet/dry) process

Filtration, Separation and Purification

Filter, Membrane, Chromatography, Reactive Process

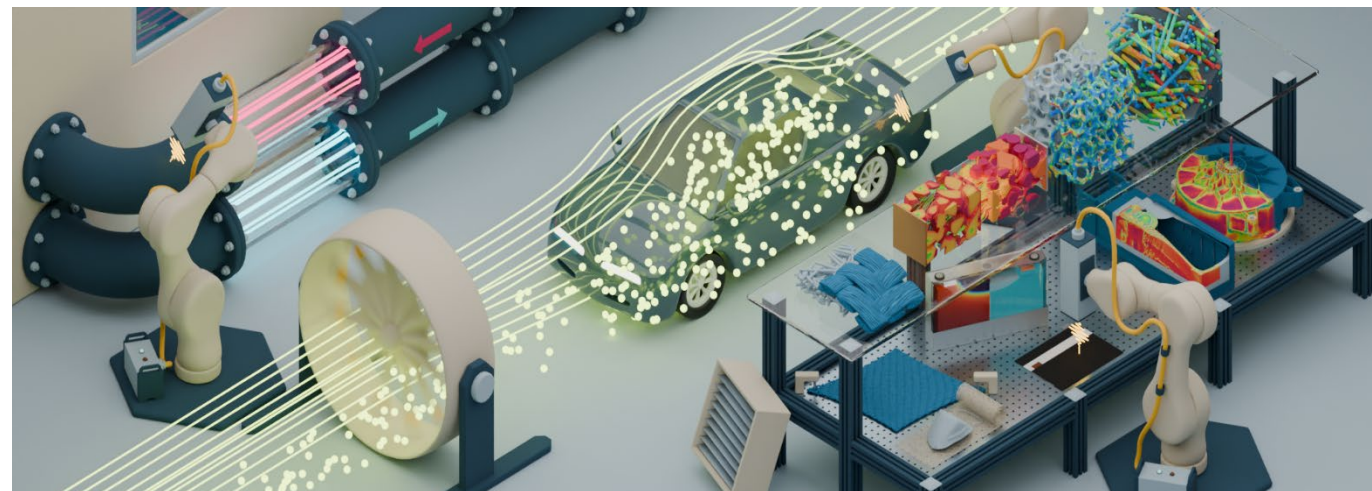
Electrochemistry: Battery Production Simulation

Drying, Calendering, Electrolyte filling & Formation

Energy Networks and Model Reduction

Dynamic simulation of Heat and Gas networks

Expertise and Tools



SWUI

MESHFREE

AD NET
Heat

FLUID
FOAM
GRAIN
VISPI
FIDYST
SPOT
BEST
FiltEST
PoreChem

Contact details

Contact person	Dr. Konrad Steiner
Organisation	Fraunhofer institute for industrial mathematics ITWM
Country	Germany
E-mail	Konrad.steiner@itwm.fraunhofer.de
B2Match profile	Konrad Steiner KETs2026 reloaded
Website	Processes and Materials - Fraunhofer ITWM



Robin Huniar (InfinEM)



Electricity from industrial waste heat below 150 °C

TLC-Rotor™ — a new heat engine for the Trilateral Cycle | LTH2Power with InfinEM GmbH

250 TWh

unused industrial waste heat per year in Germany alone (BAFA waste heat platform)

80–150 °C

Operational temperature level of the TLC-Rotor

> 50 %

more electrical output than ORC / Kalina at identical source & sink temperatures

Q4 2026

proof of concept of the 2.8 kW prototype

● The challenge

- More than 200,000 German companies release process heat at 80–150 °C unused into the environment.
- ORC and Kalina need >250 °C or very large heat flows — below that the cost-benefit ratio turns negative.
- Small, decentralised low-temperature sources are not addressed by the market today.

● Our solution

- Trilateral Cycle: the fluid is pressurised and heated without evaporation, then flash-evaporated — highly efficient physical process
- TLC-Rotor™: spirally wound tubes on a rotating disc to control flash evaporation, steam discharged through a nozzle (reaction-turbine principle)
- Simple technical design, inexpensive production - self-regulating and easily cascable.

● Status & validation

- 2.8 kW prototype in assembly, financed by the founders.
- Initial commissioning at the site of industry partner
- Proof of concept Q4 2026.
- EP and international patent applications filed - in key markets already granted

● What we are looking for

- R&D partners for two-phase flow, CFD and rotor geometry
- Industrial field-test sites / pilot customers
- Component suppliers: generators, pressure vessels, precision manufacturing.
- Bridge financing to secure corporate bond in Q2 2027
- Consortium partners for Horizon Europe Cluster 4 or 5 + later internationalization

I want to get in touch with you!

TLC-Rotor™ — electricity from industrial waste heat below 150 °C



● Robin Huniar

LTH2Power / InfinEM GmbH · Germany

E-mail robin.huniar@infinem.de

b2match b2match.com/e/kets2026-reloaded/participants/3660432

Web www.LTH2Power.com

Happy to discuss R&D cooperation, field-test sites and Horizon Europe consortia.



Angelo Gordini (OPTIT)



- We are **OPTIT**, a dynamic and innovative Italian company specializing in providing cutting-edge IT solutions.
- With almost 20 years of experience in **Logistics, Retail, Energy, and Environmental services**, we apply **advanced mathematics and Artificial Intelligence** to business, developing **predictive and prescriptive models**, algorithms and solutions to connect data and guide action.
- Past experience in EU-funded projects:
 - 3 Horizon2020 on **Efficient District Heating, Multi-energy planning, and Industry retrofitting**
 - 1 Horizon Europe on **Trustworthy Planning & Scheduling**
 - 3 LIFE projects on **Efficient District Heating and Industry decarbonization**
 - 1 Erasmus+ on **Green and Digital Skills**

You can find more information at:
<https://optit.net/en/progetti-finanziati/>

We are looking for consortiums to join for these calls...

HORIZON-CL4-2027-01-MATERIALS-PRODUCTION-08: Textile circularity

HORIZON-CL4-2027-02-MATERIALS-PRODUCTION-32: Efficient energy input from renewable sources and energy management in the process industries

HORIZON-CL4-2027-04-DIGITAL-EMERGING-04: Apply AI: Challenge-Driven AI Innovation Booster in Apply AI prioritised sectors

HORIZON-CL6-2027-01-CIRCBIO-05: Innovative circular solutions for end-of-life footwear through collection, sorting and recycling

We can provide **digital/computer science and AI/data science skills** enabling the delivery of **high TRL solutions**, with the flexibility of a small-medium company.

Contact details

Contact person	Angelo Gordini
Organisation	OPTIT S.r.l.
Country	Italy
E-mail	Angelo.Gordini@optit.net
B2Match profile	https://www.b2match.com/e/kets2026-reloaded/participants/3627812
LinkedIn	https://www.linkedin.com/in/angelogordini/



Hristo Zhelev (ECD)

Energy Consult & Design Ltd.

- ECD is an engineering SME based in Bulgaria.
- Industrial engineering and support from concept and detailed design to integration, demonstration and as-built documentation.
- Mechanical and thermal engineering: industrial HVAC, refrigeration and waste heat recovery.
- Plant integration: piping, P&ID, equipment layouts, MEP and installation engineering.
- Digital engineering: 3D modelling, BIM coordination, scan-to-BIM and as-built models.
- Horizon contribution: engineering design and integration of technologies into industrial demonstration sites.

Our contribution to Horizon projects

WE OFFER

Engineering of pilot and demonstration installations, including equipment layouts, utility connections and mechanical interfaces.

Constructability reviews, BoQ input, commissioning documentation and engineering for replication.

WE SEEK

Technology providers and RTOs with solutions ready for industrial validation, industrial hosts and experienced Horizon coordinators.

COLLABORATION INTERESTS

Industrial retrofit, resource-efficient production, waste heat recovery and integration of repair or remanufacturing technologies.

Contact details

Contact person	Hristo Zhelev
Organisation	Energy Consult & Design Ltd. (ECD)
Country	Bulgaria
Partner role	Engineering and industrial integration
B2Match profile	Hristo Zhelev - ECD
Meeting requests	Via the KETs2026 B2Match platform, Hristo@energycandd.com