



MVW
LECHTENBERG & PARTNER

Technical Workshop

Mastering Waste-Derived Fuels (RDF): Production, Handling & Kiln Integration for Cement Plants

8 December 2025

Venue: Building 19, Hall 1 – KAUST



Scan to register



Lecturers: This specialized training will be delivered by **Dr. Hansjörg Diller and Eng. Dirk Lechtenberg**, renowned experts from **MVW Lechtenberg & Partner GmbH**, global leaders in alternative fuels and waste-to-energy systems.

Audience: Managers, Engineers and Operators. Waste Regulators and Managing Companies

DAY 1 | Technical Workshop - Monday, 8 December 2025

Time: 08:00– 17:00

Time	Activity	Details / Session Focus
08:15 – 08:45	Arrival and Registration	Building 19, Hall 1
08:45 – 08:55	Welcome Remarks	Prof. Bassam Dally – Opening Remarks and Course Introduction
08:55 – 09:15	Workshop Overview	Course objectives & agenda overview by MVW Lechtenberg trainers
09:15 – 10:45	Session 1 – Waste Assessment	Waste evaluation • Sources of waste • Suitability examination • Waste contracting
10:45 – 11:00	Refreshment & Networking Break	Building 19 – Lobby Area
11:00 – 12:00	Session 2 – RDF Technologies Part I: Production of RDF	Pre-separation • Screening • Optical & manual sorting • Air classifying • Shredding
12:00 – 13:00	Lunch and Prayer Break	Lunch at the Diner
13:00 – 14:10	Session 3 – RDF Technologies Part II: Storage, Dosing & Feeding	Storage • Conveying • Dosing • Feeding • Weighing systems
14:10 – 15:10	Session 4 – Kiln & Quality Impact	Kiln and product quality impacts • Ash & moisture effects • Chlorine / Sulphur issues • Environmental considerations
15:10 – 15:25	Refreshment & Networking Break	Building 19 – Lobby Area
15:25 – 16:10	Session 5 – Quality Management of RDF	QM schemes • Sampling and sample prep • Chemical / physical parameters • Lab equipment
16:10 – 16:40	Session 6 – Strategy & Summary	RDF strategy • Financing AF projects • Waste availability • Discussion / feedback
16:40 – 17:00	Q&A + Wrap-Up Discussion	Group feedback and key takeaways with trainers and participants

Evening Program – FCI Gala Dinner (Private Event – Invitation Required)

18:00 – 21:00 | Al Khuzama – La Brasserie (Poolside)

Note: Transportation will be arranged from Building 19

DAY 1 | Monday, 8 December 2025

Trainers' Profiles



Mr. Dirk Lechtenberg
Engineer and Managing Director,
MVW Lechtenberg & Partner GmbH

With over 30 years of global experience, Mr. Lechtenberg is a pioneer in the production and utilization of alternative fuels for the cement industry. He has led the development of RDF projects worldwide and authored the *Alternative Fuels and Raw Materials Handbook for the Cement and Lime Industry*, recognized among the top 10 most influential books in the field. He also serves as Managing Director of *Blue River Recycling Ems* in Germany and holds board positions with *Lechtenberg Middle East*, *GreenSolutions Company*, and *Innovative Solutions Company (SIRC JV)* in Riyadh.



Dr. Hansjörg Diller
Chemist and Technical Director,
MVW Lechtenberg & Partner GmbH

Dr. Diller brings over 35 years of experience in waste-derived fuels, biomass, and combustion processes for cement production. Formerly Head of Quality Management at Readymix Westzement (Cemex Germany), he now oversees all technical, regulatory, and quality aspects at MVW Lechtenberg & Partner. He co-authored the *Alternative Fuels and Raw Materials Handbook for the Cement and Lime Industry*, widely recognized as a key industry reference.



Hotel Information

Recommended Hotel:

- **KAUST Campus:**
Al Khuzama Hotel



Scan QR code to register



For Inquiries

Mrs. Ola Khashougji

Business Development Specialist, Clean
Energy Research Platform (CERP), KAUST



+966 54 470 1179



ola.khashougji@kaust.edu.sa