

COMPANY

Martin Feller

Product Management E-NERGY Solutions



25 years of experience – History mfh systems GmbH

1995 JUPITER heating systems GmbH

- System provider for sanitary connections and surface heating
- » Technological market leader in the field of dry underfloor heating systems
- » 2-stage direct sales to craft enterprises

2007 Acquisition by Danfoss

- » European sales
- "Heating Solution"comprising heat pump, panel heating, ventilation and control
- » 3-stage wholesale distribution

2012 Foundation of mfh systems GmbH

- » Management buyout
- » Product range: dry wall panel heating systems, electric panel heating systems and decentralised domestic ventilation
- » OEM and Distributors Sales





Performance profile

- » Development and production company for surface heating systems & domestic ventilation
- » Specialist for drywall floor constructions
- » Over 20 years of production experience
- » 12.500.000 produced heating elements
- » Detailed documentation of the systems and applications









Supplementary services

- » Support hotline for partners
- » Photo studio (Inhouse)
- » Video production (image films, assembly films)
- » Calculation tools (quantity determination for quotations)
- » Data records for planning tools (Willms HT2000)
- » Web tools (floor planner)









The entrepreneurs



Andreas Piephans

Master of Engineering

20 years of professional experience with panel heating systems, floor constructions, residential ventilation

Marketing, Sales & Corporate Management

Background: JUPITER heating systems, Danfoss GmbH



Daniel Schuschan

Master of Engineering

15 years of professional experience with panel heating systems, floor constructions, residential ventilation

Development & Technical Management

Background:

JUPITER heating systems, Danfoss GmbH



Achim Nierbeck

Merchant

> 40 years of professional experience with surface heating systems, floor constructions

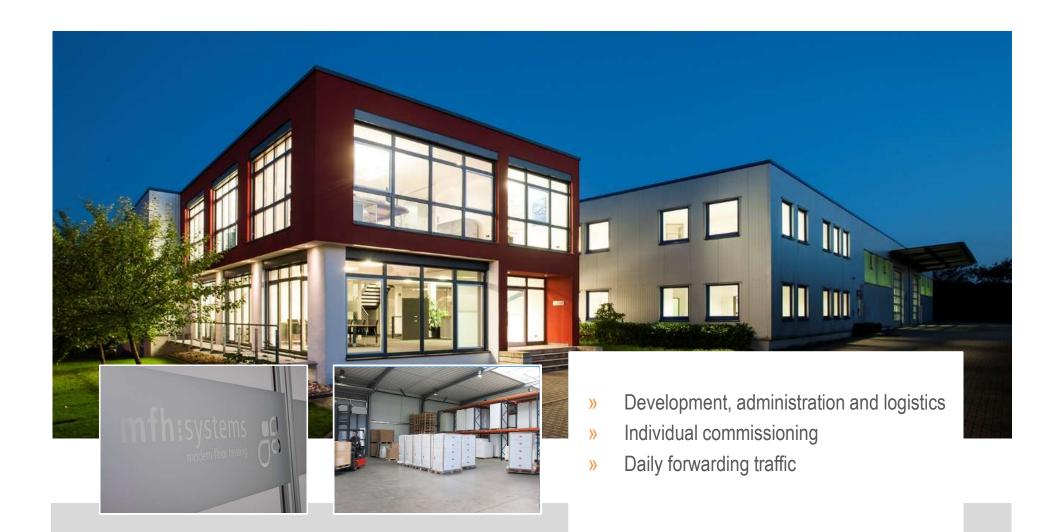
Partner & Consultant

Background:

Thermoval, KiTECH, JUPITER heating systems, Danfoss GmbH



Main location in Belm (Osnabrück)





Production site in Vechta (Bremen)







Cooperation partners and quality monitoring



























Technology basis – mfh system elements



Heating & cooling surfaces without cavities

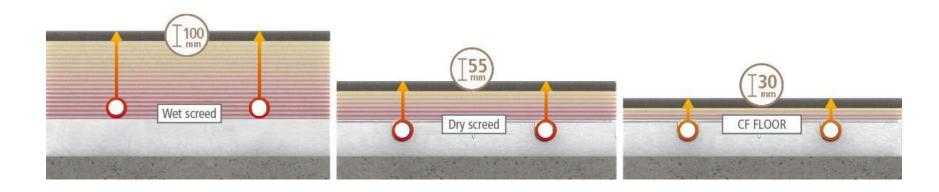
Predetermined breaking points / cutting lines

Ω Tube ducts & beaded ends



The evolution of underfloor heating

From the screed storage heating to the modern demand heating



- → A lot of moisture
- → Normal heat conduction
- → Poor controllability
- → Permanent heating

- → Dry installation
- → Low thermal conductivity
- → Low controllability
- → Permanent heating

- → Dry installation
- → Good thermal conductivity
- → Good controllability
- → Demand heating

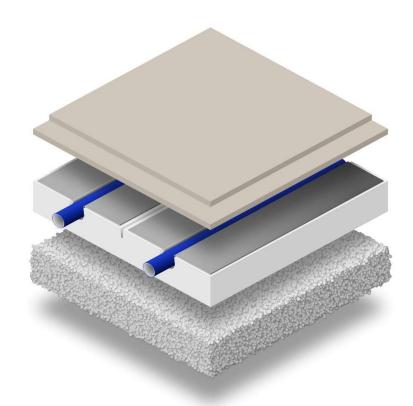


Competence in all layers

Thermal conductive layers | Dry screed

Heating elements

Heat-insulating floor compensation





The future brings back the power –

The new E-NERGY IQ system





New technology – E-NERGY CARBON

Electrical heating foil for ceiling, wall and floor





Installation on ceiling, wall and floor





Decentralised housing allowance – AIRUNIT







