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- 📍 SINTEF AS (Trondheim, Norway)
- 📍 IRIS TECHNOLOGY SOLUTIONS (Cornella de Llobregat, Spain)

Product Focus

Active Façade Elements: Thermal and Electric Energy Integration

Thermal and Electric Energy Integration



Customization Options

Advanced Manufacturing



Key Innovations




Heat Absorption Materials: New materials to optimize PVT module performance



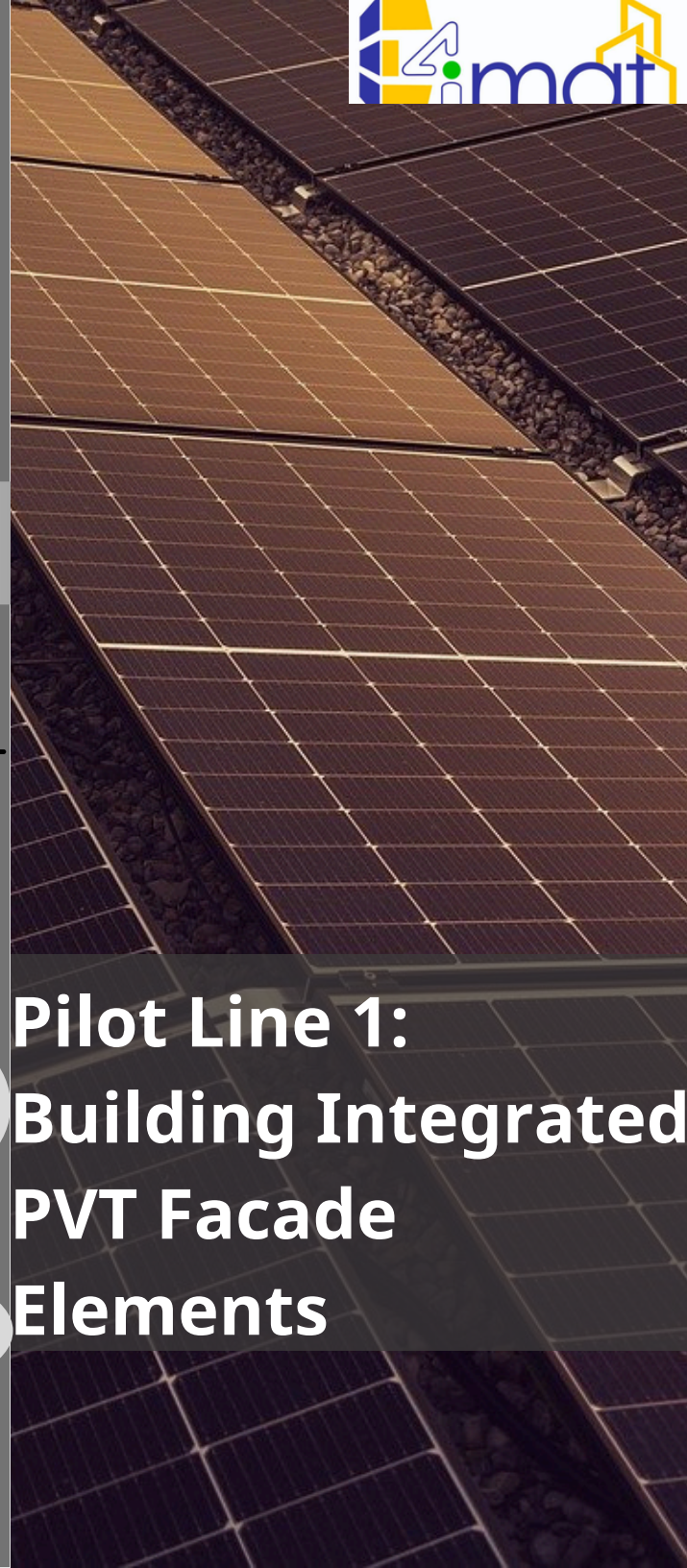
Building Integration: BIPVT optimization



Pilot Line Services

- **Hybrid Solar PV & Thermal Product:** Lightweight, efficient (900Wp/m²), dual energy production 
- **Standard PV Module Production:** Lamination, Aluminium profile optimization, PV thermal lamination
- **Material and Structure Optimization:** Climatic Chamber testing, Quality Control: IV, EL testing, Insulation tests 
- **Testing & Validation:** Outdoor tests using weather stations, pyranometers, temperature sensors, AI-based imaging for defect detection 

Pilot Line 1:
Building Integrated PVT Facade Elements



Advantages



Optimized Output


Combined PV and thermal energy increase electric output


Experience in PVT & Building Integration

Pilot and OEM production with comprehensive testing




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