

# Where Science Meets Art

**The Unexpected Partnership  
Revolutionizing Diabetic Care**

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Funded by  
the European Union

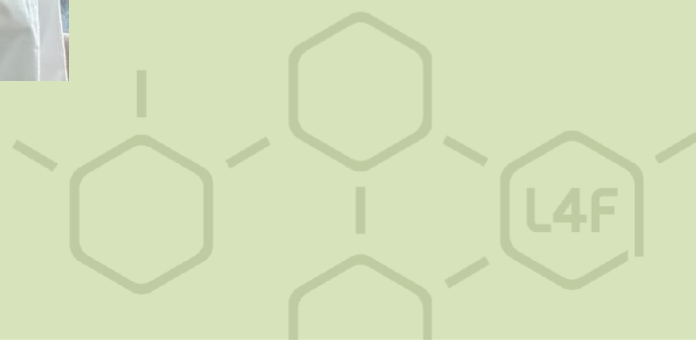
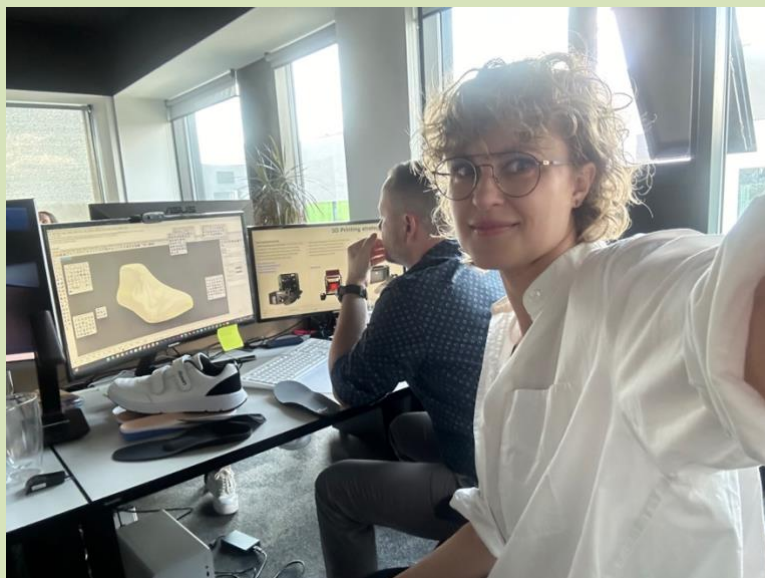
Label4Future

When [DIAWIN](#)'s technical expertise in diabetic insole manufacturing met new media artist [Anka Walicka's](#) creative vision through the [Label4Future](#) project, neither partner anticipated that their collaboration would birth an entirely new approach to medical device production – one that prioritizes both patient health and planetary sustainability.

**"This partnership has been genuinely transformative for both of us,"** explains [Peter Sokol](#), DIAWIN's CEO. **"We brought deep knowledge of diabetic foot complications and precision manufacturing, while Anka contributed fresh perspectives on circularity and user experience. Together, we've created something neither of us could have achieved alone."**

The breakthrough emerged from their joint "Eternal Syntonic Topography" project, where DIAWIN's medical expertise in treating diabetic neuropathy and foot complications merged with Anka's artistic vision of sustainable design cycles. This synergy has revolutionized traditional insole production, **eliminating over 90% of manufacturing waste** while creating perfectly personalized medical devices.

**"What struck me immediately was DIAWIN's deep understanding of diabetic patients' needs – the pressure distribution challenges, infection risks, and circulation issues,"** Anka reflects.

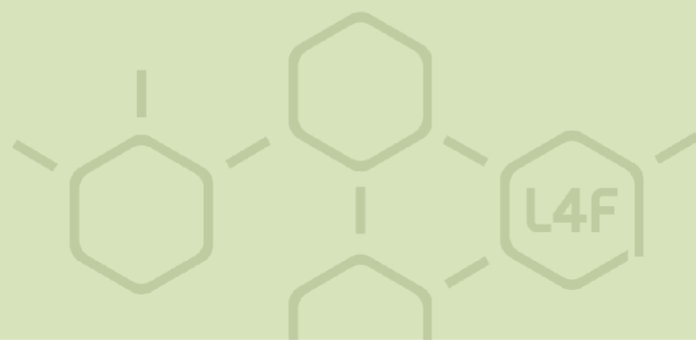
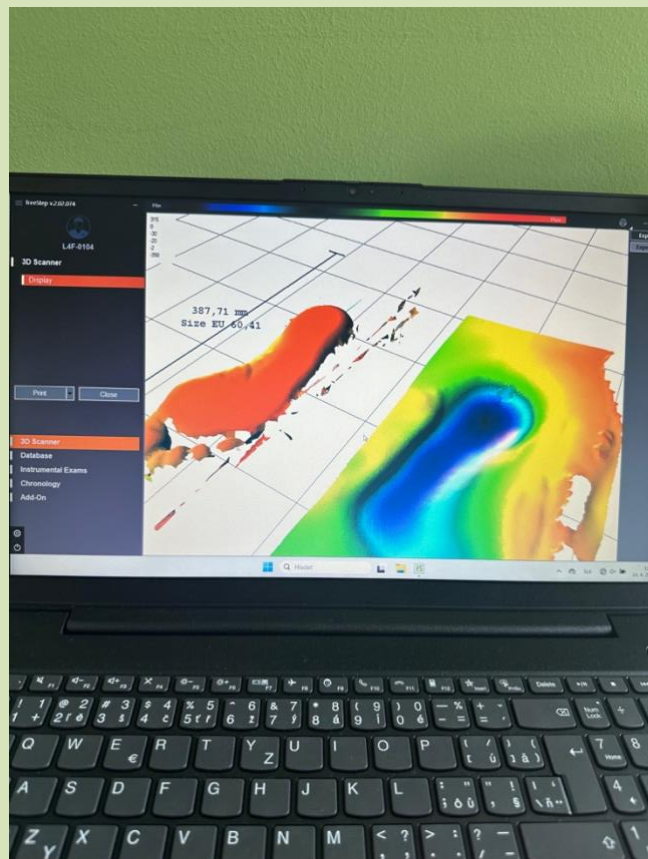


**"My role was to help reimagine how we could address these medical requirements while respecting both the individual patient and our shared environment."**

DIAWIN's technical innovation in 3D scanning and pressure mapping provided the foundation for their joint solution. Their sophisticated approach combines precise foot topology scanning with pressure mat analysis to create detailed digital models. This medical data becomes the blueprint for customized insoles produced using advanced FDM printing technology.

**"We've been perfecting diabetic care for years, understanding exactly how different Shore hardness levels – from 92A to 55A – affect pressure distribution and ulcer prevention,"** notes Peter. **"Anka's insight was asking why we couldn't make this precision manufacturing process completely regenerative."**

Together, they developed a closed-loop system using biodegradable materials like BioCir®flex3D and VarioShore TPU, which can be recycled into new medical products. This joint innovation transforms DIAWIN's traditional plaster casting process – which generated significant waste and required weeks of manual labor – into a digital, on-demand manufacturing system.



**"The magic happened when we combined DIAWIN's medical expertise with sustainable design principles,"** Anka explains. **"We realized that the same precision required for diabetic foot care could be applied to environmental care – no wasted material, no harmful chemicals, no unnecessary transportation."**

Their collaboration extends beyond manufacturing into patient education and regional healthcare networks. DIAWIN's clinical knowledge merged with Anka's communication design skills has produced educational tools that help diabetics understand their foot health through clear, engaging visualizations.

**"This partnership taught us that innovation emerges from genuine collaboration, not just consultation,"** reflects Peter. **"We're co-creating solutions that address complex medical needs while establishing new standards for sustainable manufacturing."**

The next phase of their joint venture includes expanding their circular manufacturing model to other medical applications, establishing micro-production facilities across EU regions, and developing training programs for other SMEs seeking to integrate sustainability with healthcare innovation.

**"Our success comes from equal partnership – combining deep industry knowledge with creative problem-solving,"** Anka concludes. **"We're proving that when technical expertise meets artistic vision, the result can heal both patients and planet simultaneously."**

This DIAWIN-Anka collaboration exemplifies the Label4Future project's vision of connecting established SMEs with creative professionals to generate breakthrough innovations that serve human health while advancing circular economy principles.

