

# **Remove the bottleneck in your OSC production**

## **HTL & ETL solutions for industrial OSC production**

### **From lab performance to industrial reality**

As organic solar cells scale, familiar challenges appear like limited stability, process sensitivity and materials that don't translate well from lab to production.

**The bottleneck is not your cell design**

**it's your transport layers.**

### **A practical upgrade – Not a disruption**

We offer HTL & ETL solutions designed to improve both performance and manufacturability without requiring a full redesign of your process.

Our materials increase stability and lifetime, reduce recombination losses and enable more robust, reproducible production.

### **Two ways to work with us**

We adapt to your setup not the other way around.

You can integrate our HTL and ETL materials directly into your existing production, enabling a seamless performance upgrade without redesigning your stack or changing your process.

Alternatively, we provide ready-to-use functional foils, reducing processing steps, improving consistency and accelerating your path to scale.

This gives you full flexibility to choose the integration approach that matches your production setup and risk level.

**This allows you to upgrade performance on your terms**

**without increasing complexity or risk.**

## **Built for production – Not the lab**

Most HTL and ETL materials are developed for laboratory performance. Ours are built for industrial production.

Designed for seamless integration into roll-to-roll processes, our solutions are in-line compatible with TCO, require no UV activation and enable a simplified layer architecture. The result is reduced process complexity, higher yield and more robust, scalable production.

## **Low-risk entry**

Switching materials shouldn't mean taking unnecessary risks.

We start with test samples in your process, followed by integration support and pilot validation. Once performance is proven, we support a controlled and gradual scale-up.

You validate before you switch.

## **The impact**

This approach reduces technical risk while improving yield, simplifying your process and accelerating your path to industrial scale - resulting in stronger overall production economics

# **Run a test in your process with minimal risk**

## **About LayersTech**

LayersTech is a spin-out from SDU CAPE. SDU CAPE is one of Europe's leading research groups in organic solar cells and functional materials.

Our solutions are built on a strong foundation of patented technologies and years of experience in scalable, roll-to-roll compatible processes.