



Līdzfinansē  
Eiropas Savienība



Nacionālais  
attīstības plāns

## **ADVANCEMENT OF ROLL-TO-ROLL DEPOSITION TECHNOLOGY FOR SMART WINDOWS AND ANTIMICROBIAL COATINGS (R2R-SWAC)**

Project No. 1.1.1.3/1./24/A/077

Projekta duration: 01.06.2025. – 31.05.2028.

Leading partner: Institute of Solid State Physics, University of Latvia  
Partners: Sidrabe Vacuum Ltd.  
AGL Technologies Ltd.

Project total sum: 651 899 EUR  
ERDF funding: 506 249 EUR

On the implementation of the project (period 01.06.2026 – 31.08.2026)

During this stage of the project, we began the fabrication of R2R-sized YHO samples on the UV80 equipment for (a) a series with an Al protective coating and (b) a series with a variable pumping speed. A study was conducted on the relationship between the film thickness and the effective thickness of the active layer, as well as on the dependence of the darkening process dynamics on the PET substrate side and thickness.