



Session	TO-BE-START-UPS looking for Finance: pre-seed/angel/seed funding and/or partners
Title	Biobased polymers for asphalt roads
Company	HighTechBinders
Speaker	Peter Jansen
Keywords feedstock (max. 2)	Biobased polymer
Keywords technology (max. 2)	Asphalt technology
Keywords End-Product (max. 2)	Asphalt Binder
Abstract:	
High-Tech Binders (HTB) is developing EcoBind — a patented, carbon-negative, bio-based asphalt binder designed to replace fossil bitumen for the 40 B€ global road construction industry. Built on a biodegradable polymer derived from wastewater (PHA), EcoBind delivers mechanical performance while drastically cutting CO₂ emissions and improving worker safety. Road construction adds over 565 kilotons of CO₂ emissions each year in the Netherlands alone, with bitumen accounting for 80% of the materials footprint. As climate targets tighten, municipalities and contractors urgently need affordable, high-performance, and scalable bio-based alternatives. The driving force behind the project are Peter Jansen and Teun Wagenaar. Peter has a strong track-record in biopolymer production technologies, while Teun is a serial entrepreneur with multiple exists of deep-tech startups. There are supported by HTXL and TNO with network, expertise and technical support. Our solution is EcoBind — a hybrid binder (30% biopolymer, 70% bitumen) that integrates seamlessly into existing asphalt plants. It delivers 30% CO₂ reduction, using locally sourced circular feedstocks. Backed by strong IP and industrial partnerships, HTB is building the next generation of sustainable infrastructure materials for Europe and beyond. The technology has matured to TRL 5 and is ready to move into TRL 6. With an EU market exceeding €8 billion, we're now preparing for scale up in (international) pilot test roads.	