



Session	Start-ups/SMEs looking for Finance: Pre-seed/Angel/Seed – Sensors / AI
Title	How to shorten product cycles in biomanufacturing with advanced data analysis.
Company	Formical
Speaker	Axel van 't Westeinde
TRL	
Keywords feedstock (max 2)	N/A
Keywords technology (max 2)	AI
Keywords End-Product (max 2)	Software
Abstract:	
Between 2020 and 2022, more than €25 billion went into synthetic biology and biomanufacturing, yet many of those companies stalled before reaching commercial scale. A new bioeconomy wave has now started, but the industry is still flying blind. Process development still relies on trial and error, batch-to-batch variability is poorly understood, and a single failed pilot run can cost €20K-€50K. The main constraint is knowledge. Knowledge is dispersed difficult to reach historical datasets, and in the heads of a few experienced engineers. At Formical, we turn this knowledge into software. We help customers unlock bioprocess intelligence by connecting data across scales, predicting scale-up outcomes, and guiding teams to the next best action. This can reduce the required DBTL cycles by 50%, shortens product cycles by 25%, and cuts manual data work by 90%.	