Session	Start-ups/SMEs looking for Finance: Pre-seed/Angel/Seed – Sensors / AI
Title	From trial and error to bioprocess intelligence: how Formical unlocks AI for biomanufacturing
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:

A new bioeconomy wave has started. More than €10B in EU funding is flowing in, and biotech is now named a critical technology. Yet the innovators are flying blind. Process development still relies on trial and error and teams spend €7M+ on R&D cycles that won't scale.

One key bottleneck is expertise. The knowledge needed to scale a bioprocess is scattered across historical data, unstructured reports, and the heads of a few experienced engineers. Formical turns scarce this bioprocess expertise into software, helping biomanufacturers reach market ~3 years faster at ~20% lower cost of goods. Their AI-native operating system captures this full context and puts it to work. It connects data from lab to manufacturing, predicts scale-up outcomes, and guides teams to the next best action. This halves the number of development iterations and can save up to €68M per product.