Session	SMEs looking for Finance: Pre-seed/Angel/Seed
Title	Athanor - dual-effect biostimulant from insect side-stream hydrolysate (Part of ToBeReal BioPitch Forum)
Company	Athanor
Speaker	Erik Nickman
TRL	TRL 1-3
Keywords feedstock (max 2)	insect-farming side-streams
Keywords technology (max 2)	Enzymatic hydrolysis
Keywords End-Product (max 2)	Liquid biostimulant

Abstract:

Insect farms turn organic side-streams into animal feed but leave frass and other dry solids behind, disposed of as low-value waste. High-value growers, meanwhile, are pushed to drop chemical inputs and must still keep their yields and profits. The biologicals meant to replace those inputs each do one narrow job, so growers must buy several products and the transition costs more.

Athanor turns insect-farming side-streams, starting with frass, into a liquid biostimulant with a dual action, providing both nutrition and an elicitor effect, a chitin-based natural immunity reaction.

Our patent-pending enzymatic hydrolysis turns frass and other sidestreams, which clogs drip lines, into one soluble, pre-digested liquid that runs through the irrigation a grower already owns and delivers nutrients at the moment of application.

The first Athanor prototypes combine a nutrient base made from insect frass with activated chitin at a dose set by plant trials. Lab validation of both field trials and lab tests in progress, with analytical confirmation of the active fraction.

A third-party study of 30+ distributors and growers found that two thirds requested samples. A later pre-order campaign brought 30 paid pre-orders in total.

Our own insect-bioconversion pilot, with ABP processing approvals, produces its own feedstock and is ready for product registration processes.