

collo[®]

Collo began with

Two disciplines. One insight.

HOW CHEMISTRY AND SIGNAL PROCESSING CAME TOGETHER

The founders Matti & Teemu met in 2015 at Tampere University of Technology. Coming from different disciplines, they realized something important:

“Advanced signal processing can reveal entirely new information about the physics and chemistry of liquids”

“Together we learned that liquids contain far more information than traditional measurement technologies capture”

Chemistry + Signal processing
= Intelligent Liquid Sensing

FOUNDERS AT HANOVER MESSE 2019

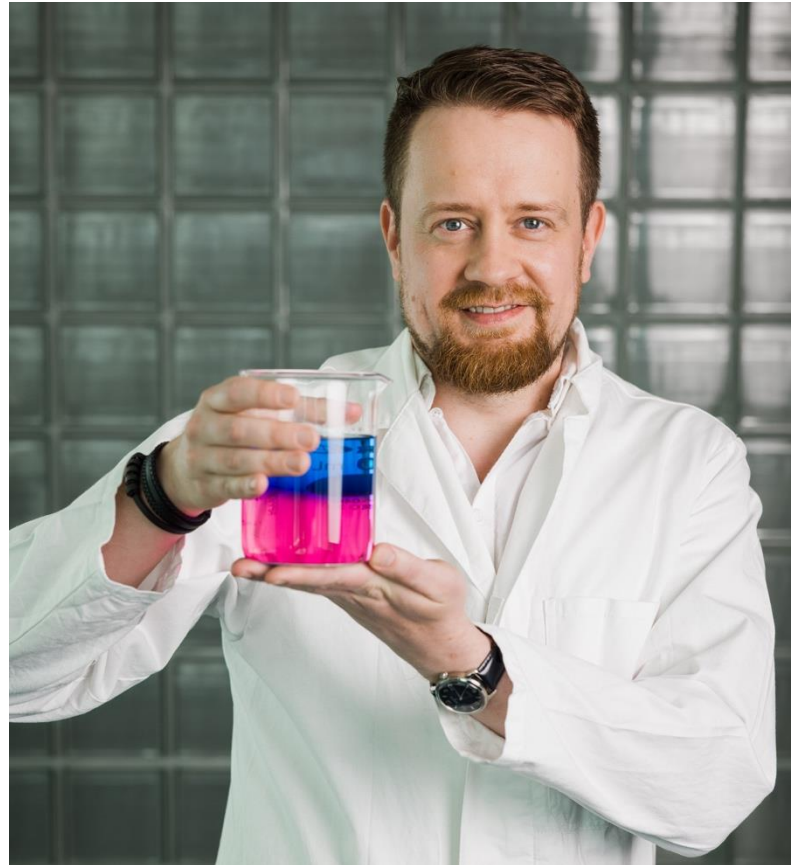
Understanding the world better through measuring

Matti Järveläinen

Matti is a measurement technology architect focused on understanding complex liquids through advanced sensing.

He led the development and commercializing of Collo's analysis technology, combining deep knowledge of colloidal chemistry, measurement physics and sensing systems to transform scientific insights into scalable industrial technology.

Education: PhD in materials science, Tampere University. Research focused on industrial characterization and liquid systems.



I am driven by a desire to understand the world through measurement. My motivation is to reveal what is invisible to human senses and turn them into practical applications.

To control something, we must first understand it.

Matti

Extracting intelligence from Signals

Teemu Yli-Hallila

Teemu is an expert in signal processing focused on extracting meaningful information from complex physical signals.

Founder and key architect of the company's intelligent sensing and data interpretation platform.

He combines **signal processing, sensing technology and computation** to transform raw physical signals into actionable process insights.

Education: MSc in Signal processing from Tampere University. Research focused on industrial characterization and liquid systems.



The process industry relies on solutions that are considered “good enough.”

I challenge that mindset by bringing intelligent computation and modern sensing technologies for the industry.

Intelligent sensing and computation can fundamentally improve how processes are understood.



WE FOUNDED COLLO

You cannot optimize what you do not understand

We founded Collo to build the technology that makes **liquid processes measurable, understandable, and optimizable.**

By combining sensing physics with intelligent signal analysis, we aim to transform how the process industry understands liquids.

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