

**CASE STUDY**

# Funzionano: developing nano-sized polymers to enhance material properties.

**Company:** Funzionano

**Industry:** Chemicals (Nanoparticles)

**Employees:** 11-50

**Headquarters:** Porsgrunn, Norway



*"It is now easier for the entire team (including people at home office) to follow a product from the developing step until the application and sending of the sample. It is good for us that all the information is located in one place."*

- Samer Sahli, Laboratory Engineer

## Story

Funzionano is a Norway-based company developing hybrid nanoparticles which can be tailored to improve material properties like flame retardancy, hydrophobicity and gas barrier efficiency. Founded in 2015, Funzionano is now developing the production of functional nanotechnology-based hybrid polymers with customised material-enhancing properties.

## Challenges

- Research data scattered across multiple different resources resulting in time lags and data loss.
- Experimental data not being available online - the company used paper-based data recording.
- Researchers struggled to connect the results from synthesis to their application due to inconsistencies in data recording and recordkeeping.
- Researchers had to enter data both on paper at the lab bench and into the computer at their desk, resulting in delays between experiment performance and documenting.

## Solutions

- ✓ Labstep provided a single solution that allowed Funzionano to have all their research data in one place.
- ✓ Researchers can now access their experiments from anywhere at any time, resulting in easy benchside execution without having to enter manual records twice.
- ✓ Labstep made it easy for the entire Funzionano team to follow a product from the developing step until its application and sample dispatching.
- ✓ With Labstep, Funzionano achieved comprehensive and secure traceability for every sample.

## Results

- ✓ All data in one place
- ✓ Connected research environment
- ✓ Overview of everything that happens in the lab
- ✓ Reduced cost of mismanaging inventory
- ✓ Traceability of every sample
- ✓ Data security

**Can Labstep help your business build your own success story?** We'd love to hear from you. You can reach us at [info@labstep.com](mailto:info@labstep.com) or sign up to [labstep.com](https://labstep.com) to try out our platform.