

CASE STUDY

QustomDot: transforming the world of LED displays as we know it.

Company: QustomDot**Industry: Material Science****Employees: 11-50****Headquarters: Ghent, Belgium**

“The required experiments are determined at the start of each sprint, we then use Labstep to record everything in a structured way. It often happens that several people work in the same experimental entry on Labstep. The experiments are open to everyone in the team, so there is full transparency about the work that everyone does.”

– Willem Walravens, Founder

Story

QustomDot is an advanced materials company that produces on-chip semiconductor nanoparticles that can transform UV or blue light into other pure colors. This technology can be used in traditional LEDs for lighting and LCD displays, in miniLEDs and microLEDs.

Challenges

- Every researcher had an individual paper-based lab notebook and data was often lost or scattered across multiple sources.
- Difficult to analyse data or navigate through multiple experiments in parallel.
- Reduced transparency within the team due to unclear links between experiments.
- No organised way of entering data and linking external sources to experimental procedures and analyses.

Solutions

- ✓ All team members can now access open experiments through the Labstep platform, as well as restrict access to confidential projects.
- ✓ Linking experiments became easy with Labstep, resulting in no data loss and an easy way of working on multiple experiments simultaneously.
- ✓ With Labstep, the QustomDot team obtained a secure platform which can be used to trace everything that goes on in the lab, significantly improving transparency in the team.
- ✓ Labstep provides QustomDot team with the ability to order equipment directly through Labstep without having to use external providers.

Results

- ✓ Enhanced data integrity and traceability
- ✓ Improved transparency in the team
- ✓ Consistency across teams and studies
- ✓ Easy and controlled access to knowledge
- ✓ Reduced costs and affordability

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 or sign up to labstep.com to try out our platform.