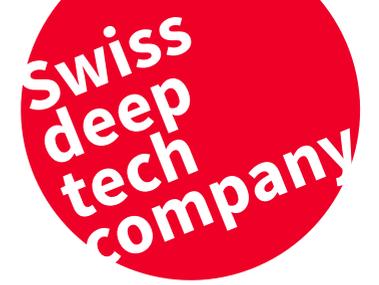




## FASCINATING PERSPECTIVES AHEAD

Gaining momentum in science and industry, electron diffraction will help to overcome existing limitations for the analysis of nano-crystalline systems



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ELDICO Scientific – The Electron Diffraction Company – is a Swiss deep tech company founded in 2019. ELDICO develops, produces and sells electron diffractometers for the analysis of solid compounds enabling industrial and scientific researchers to characterise hitherto unmeasurable nano-crystalline systems.

The proof of concept was achieved in 2018 (ETH Zurich, C-CINA Basel) on scientifically and industrially relevant samples. Results published recently (Angewandte Chemie, International Edition) gained significant attention and were nominated for «**Breakthrough of the Year 2018**» by SCIENCE.

**Shaping the Future of Crystallography** means for us:

We support academic and industrial scientists to obtain relevant structural information faster, with better quality and at lower cost.

ELDICO  
SCIENTIFIC

# Product & Technology

Electron Diffraction (ED) is gaining momentum in science and industry. The application of ED for performing nano-crystallography is a disruptive innovation, that will open fascinating new perspectives in particular for organic compounds required in the fields of chemical, pharmaceutical and advanced materials research.

Other than transmission electron microscopes (TEM), the ELDICO device is dedicated solely to ED, allowing to outperform TEM in diffraction by delivering results at **better quality & more reliably** and – by making preparative chemistry (i.e. crystallization) obsolete – **much faster at significantly lower investment**.

# Clients & Market

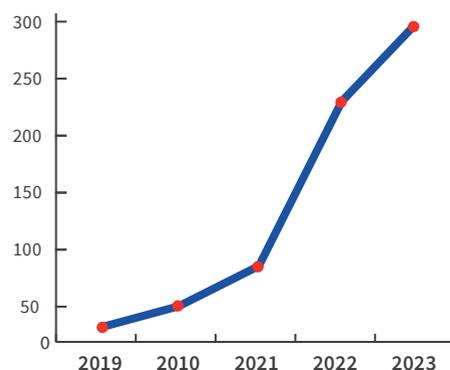
Our customers are research institutes in academia and industry, pharmaceutical companies and contract research organisations, agrochemical companies (pesticides, crop protection and fertilizer) as well as research and manufacturing companies in the Advanced Materials sector.

The market for dedicated ED instrumentation for the analysis of solid chemical compounds has an estimated total global volume of > 300 Mio. CHF by 2023, corresponding to over 200 units.

Est. Global Market Volume in Units

Year	Units
2019	19
2020	45
2021	73
2022	127
2023	202

Est. Global Global Market Volume in Million CHF



Source: SDI-Report, EM Industry Report 2018 – 2015 (GVR), EM report (Tech Navio); own research.

# We are ELDICO Scientific

ELDICO has built a strong team with complementary skills. The four founders comprise many years of experience in management in various industries and in the scientific field. With in-depth crystallographic knowledge and a direct access to the market, the team is excellently suited to drive the new venture to success.



**Dr. Gustavo Santiso-Quinones**  
Founder & CEO  
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**Dr. Gunther Steinfeld**  
Founder & CTO  
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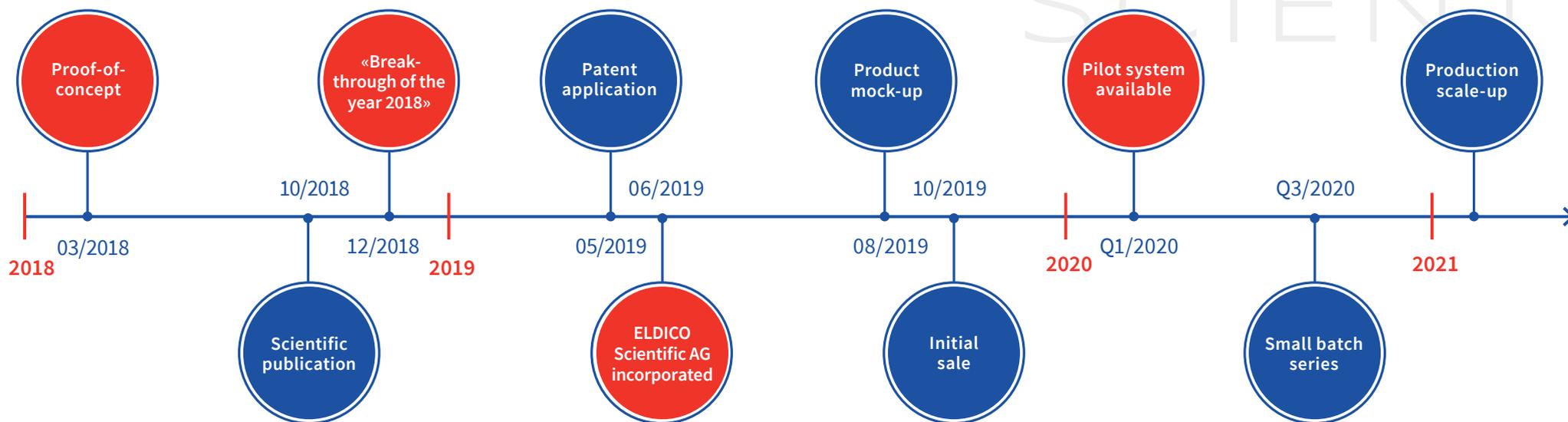
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**Nils Gebhardt M.A. / MBA**  
Co-Founder & CFO  
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**Scientific Advisor: Dr. Tim Grüne**  
Head of the Centre for X-ray Structure Analysis  
University of Vienna (Austria)

# Roadmap



## Achievements

ELDICO Scientific has gained some attention from prestigious competitions in academia and industry in Switzerland and on a global level.



SWISS  
INNOVATION CHALLENGE  
Semi finalist

## Key Publications

“Design guidelines for an electron diffractometer for structural chemistry and structural biology.”  
T. Grüne et al., *Acta Cryst.*, 2019, D75, 458-466.

“High-throughput continuous rotation electron diffraction data acquisition via software automation.”  
M. Cichocka et al., *J. Appl. Cryst.*, 2018, 51, 1652–1661.

“Molecular CT scan could speed drug discovery.”  
R. Service, *Science* Oct 26, 2018, 362/6413, 389.

“Rapid Structure Determination of MacrocrySTALLINE Molecular Compounds using Electron Diffraction.”  
T. Gruene et al., *Angew. Chem. Int. Ed.*, 2018, 57, 16313-16317.

“Fast electron diffraction tomography.”  
M. Gemmi et al., *J. Appl. Cryst.*, 2015, 48, 718-727

# ELDICO SCIENTIFIC

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## Partner & Supporting Institutions



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