



QuantoNano

We work on the smallest things
with the biggest impact.



QuantoNano™

Producing best-in class and advanced nano materials and synthesis for the next industrial revolution.

We are helping industries to design and develop next generation solutions for a more efficient and sustainable future.

$$\psi(x, t+\epsilon) = \int K(x, x') \psi(x', t) dx'$$

$$K(x, x') = A e^{\frac{i\epsilon}{\hbar} L\left(\frac{x-x'}{\epsilon}, x\right)}$$

$$\psi(x, t+\tau) = \left[\dots \right]$$

»There is plenty of room at the bottom.«

Richard P. Feynman
Richard Feynman

Nanoscience is the study of matter at the nanoscale-dimensions between approximately 1 and 100 QuantaNanometers or 1,000 times smaller than the width of a human hair. At these incredibly small scales, **materials have unique phenomena and quantum confinement effects that enable new and improved applications.**

In 1959, the famed physicist Richard Feynman said in a prophetic lecture that there was "plenty of room at the bottom." Feynman meant that exploring and manipulating materials almost atom by atom would create huge opportunities for new science and important new technologies.

Today that "room at the bottom" is called nanoscience.

Arising at the nanometer length scale like Quanta Nano is a very critical process through which manipulation and control of the individual atoms and molecules are enabled.

At this point, physical, chemical, mechanical, electrical, optical, magnetic and other properties change, making use of such changes developing novel products and processes which have not been possible before.

Why is nanotechnology important?

Nanotechnology is helping to improve, even revolutionize research **in physics, chemistry, materials science and biology** for many technologies in industry sectors like information technology, medicine, transportation, energy, food safety, and environmental science, clean fuels, agriculture, water, and many others.

„Nanotechnology will let us build computers that are incredibly powerful. We'll have more power in the volume of a sugar cube than exists in the entire world today.“

Ralph Merkle
Winner Feynman Prize in Nanotechnology

Leading Nano Particle Provider

1.2

B2B - BUSINESS MODEL

We are partnering with technology companies and manufacturers to help them unlock the potentials of the nano world and improve the products on nanoscale for product improvement & provide more value to its end-customers and applications in various industries

HOW WE CAN HELP

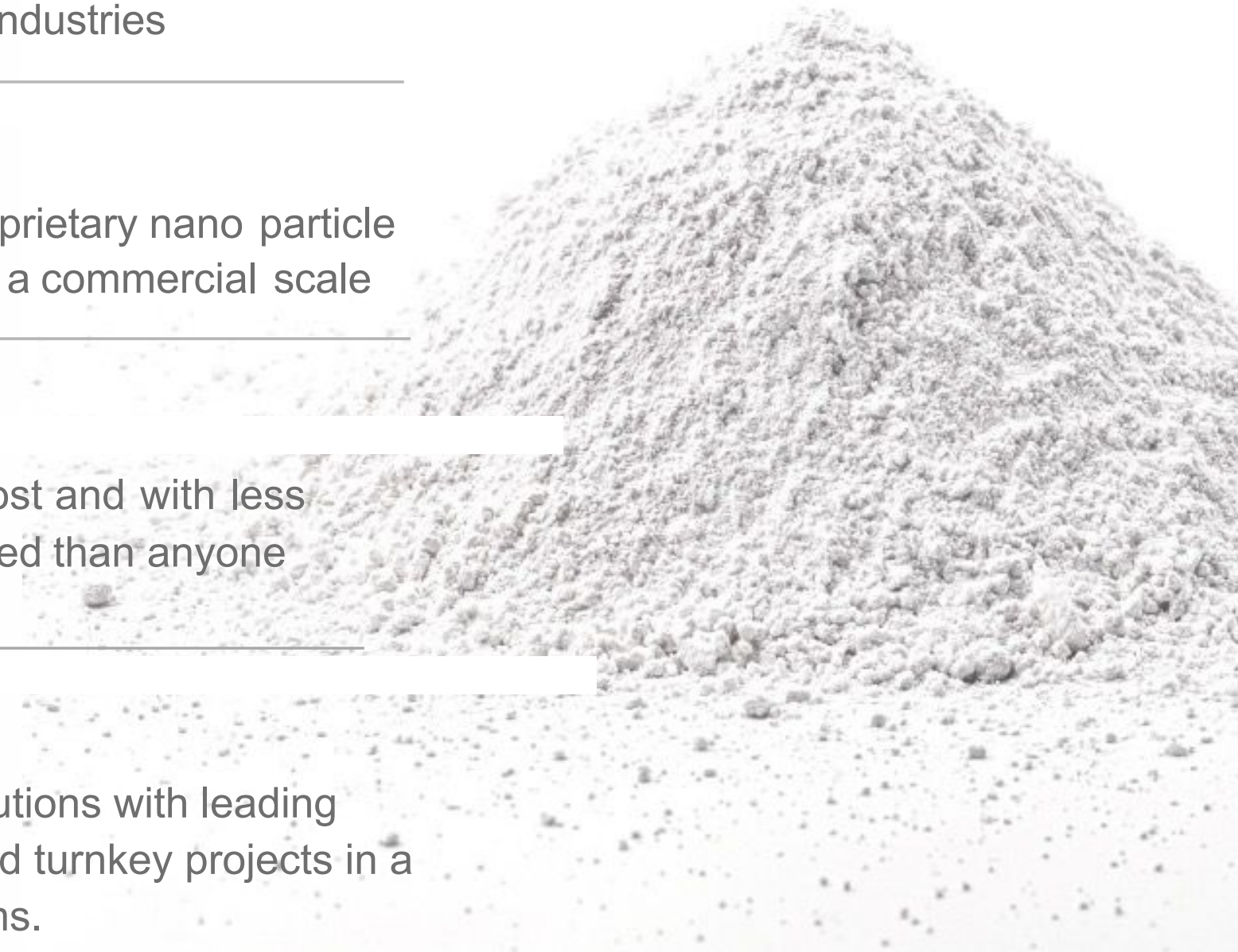
We have the ability through deep expert knowledge and pioneering proprietary nano particle contract production to rapidly design and manufacture nanoparticles at a commercial scale

INDUSTRY LEADING

We are consuming less material, have a higher yield, and at a lower cost and with less environmental impact, no chemicals and with a fraction of energy required than anyone else in the market.

TURNKEY INDUSTRIAL PROJECTS

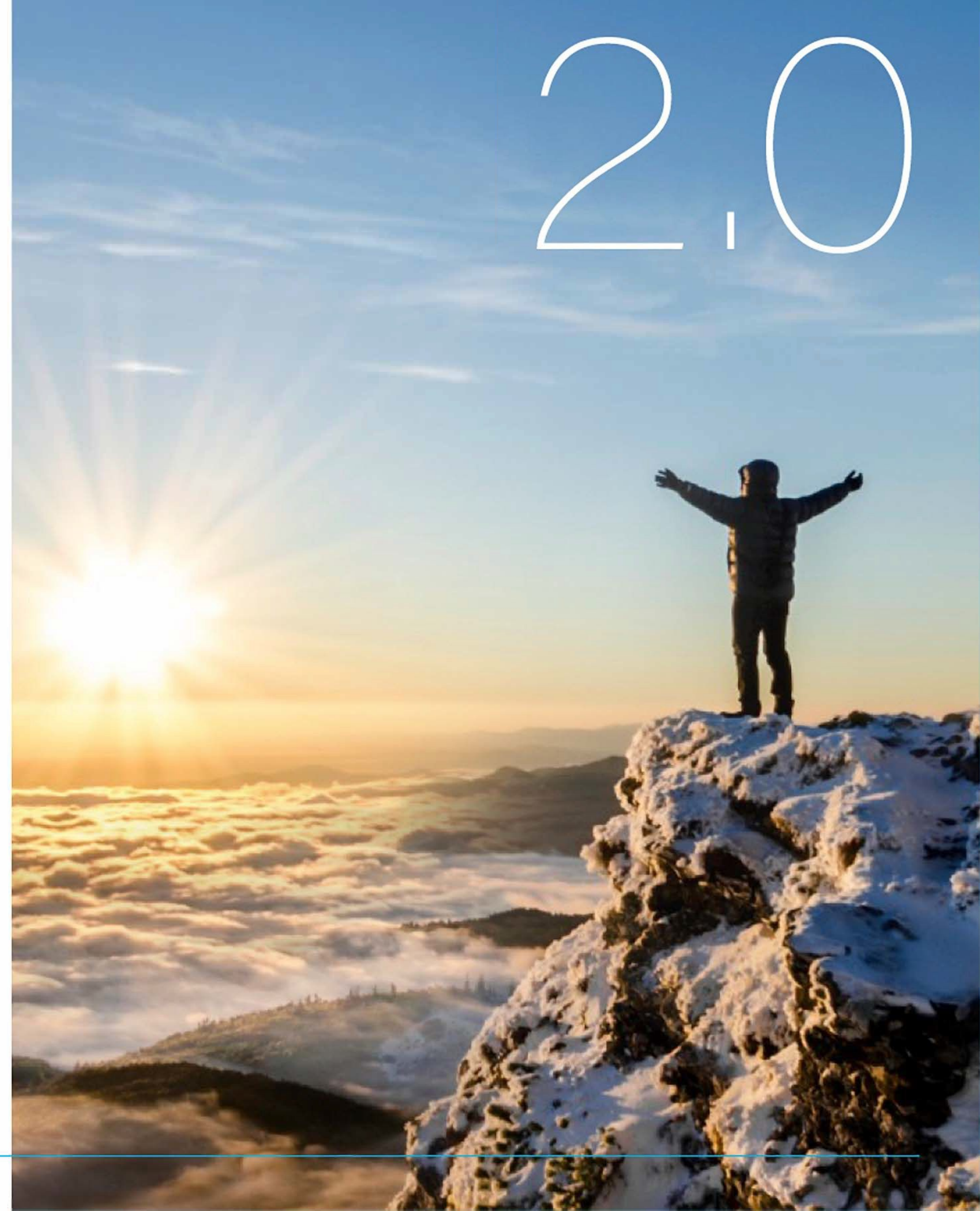
By combining our own proprietary materials, synthesis and patented solutions with leading EPC partners and local construction companies we can enable controlled turnkey projects in a variety of industrial sectors to help customers solve their current problems.



Our Vision

Our Vision is to establish us as a leading provider of advanced nano particles and materials & next generation solution worldwide, enabling leading corporations worldwide to establish through industrial collaborations and utilizing our patented solutions, the 4th Industrial Revolution.

2.0



Our Mission

Our Mission is to create the highest quality nano material using our own proprietary and patented processes and tools at a fraction of the cost and the environmental footprint of our competition, unleashing the potential of nano materials today for all kinds of industries and applications and combine this with our patented solutions and innovations accross multiple industries.

2.1



Why QuantoNano

3.0

Our objective is to establish us as the largest worldwide producer of nanoparticles and an engineering and design powerhouse for next generation prototypes to drive applications into the next industrial revolution based on nanotechnology and advanced materials



WORLDWIDE DEMAND

Deliver industry demand through world's first mass nanoparticle manufacturing facility for tailored materials



NEW MATERIALS AND NEW APPLICATIONS

Create brand new nanoparticles and nanocomposites to unlock new applications with institutes and key market players



NEW BUSINESS OPPORTUNITIES

Develop new nanoparticle applications through R&D facilities to create new business opportunities

1000 X

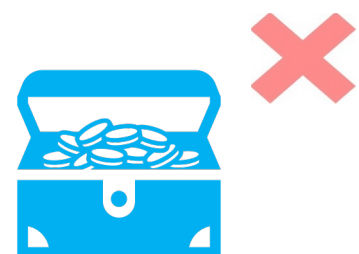
THE 1.000X VALUE OF NANO

Value creation of multiplies in the nano scale up to 1,000x
e.g. Gold \$80/g
> \$80,000/g in Nanosize

Problems we are solving

Nanotechnology is still stuck mostly in the lab because the market today produces nano materials that are not fit for mass productions and produced:

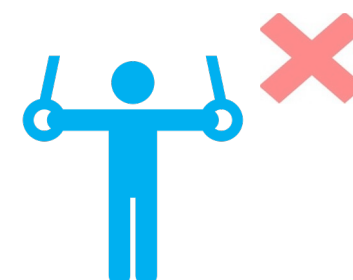
TOO EXPENSIVE



NON SCALABLE



NOT FLEXIBLE



NOT SUSTAINABLE



Outperforming the industry

Quanto Nano delivers breakthrough materials, synthesis and solutions in the highest quality in the industry (3N – 5N) and unique performance outperforming chemical pathways or ballmill processing.



COST EFFECTIVE

Attractive cost/
performance perspective



SCALABLE

Quickly to meet production
demand



ENGINEERED

to specific customer /
application



ECO-FRIENDLY

Low energy consumption
& no chemicals

Fully controlled with a proprietary process

5,0



MICRON SIZE MATERIAL

Readily available materials (i.e. electron grade)

PARTICLE ACCELERATOR

Micron to nanometer conversion to desired state - crystalline, polycrystalline, amorphous

PARTICLE COLLIDER

Patented and Proprietary Top Down nano particle production through Dynamic milling at highest quality & without chemicals

PARTICLE COLLECTOR

Powder separated by size and programming
Liquids - solvents or water forming a stable suspension

NANO SIZED MATERIALS

High yield and efficient conversion to tailored electrode-grade / engineers nanoparticles

PARTICLE TREATMENT

Functionalization "in situ" surface treatment or bulk treatment

We produce tailored nano particles where we can influence and post process in the treatment stage:

- ✓ Porosity
- ✓ number of layers (graphite / graphene etc),
- ✓ holes for performance improvement (capacitors / batteries etc)
- ✓ oxidizing surface, reduction of oxidized particles,
- ✓ change (increase / decrease) of lattice charge configurations (i.e. for minerals)

Thank You!

8,0



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