making nanotechnology possible°



Successfully investing in the future



#### Ideas for the future

Nanostart AG is the leading nanotechnology investment company. It embodies the vision of riding the wave of a major technological revolution while also leaving a decisive mark on it. Nanostart provides venture capital for young, up-and-coming nanotechnology companies throughout the world and accompanies them on their way to becoming future market leaders.

Our portfolio companies typically come from highly innovation-driven industries such as healthcare, medicine, cleantech, energy, IT and electronics. We invest in a wide range of growth phases, from early-stage ventures and start-ups all the way to established companies pursuing global expansion.

### Creation of sustained value

Our portfolio companies already span the nanotechnologically most active regions of the world: Europe, the USA and Asia. In making our investment decisions, we place particular emphasis on the company's technology, patent situation, market potential, and most of all, the personal qualities and professional track record of its management. We demand that every company in our portfolio delivers growth and successful long-term performance.

# Human capital and global network

Nanostart's investment teams in Frankfurt and Singapore consist of experts with many years of investment and portfolio management experience in renowned investment and consulting companies. Marco Beckmann, CEO of Nanostart, is the leading expert in the area of nanotechnology and investments. Nanostart's global network consisting of scientists, financial market experts, investors, R&D institutions and government agencies gives it a unique position. Nanostart's objective is to accompany its holdings on their growth path and then sell them for a very substantial profit to a commercial buyer.

# Investment partner of the Singaporean Government

Since 2007 Nanostart has been active in Singapore's nanotechnology industry. The development of this Southeast Asian boom region into a leading hub for nanotechnology and other critical technologies is a key economic objective of the Singaporean government. Nanostart as a partner to the government has built a unique position for itself.





In the next 30 years, nanotechnology will bring more change to our economy and society than we saw in the entire last century.

Dr. Mihail C. Roco,
National Science Foundation

### Nanotechnology, what is it?

Nanotechnology consists of sets of enabling technologies that are applicable to many traditional industries. Nanotechnology is a completely new way of manufacturing. It is the manipulation or self-assembly of individual atoms, molecules, or molecular clusters into structures to create materials and devices with new or vastly different properties. Based on the "bottom-up" principle, nanotechnology helps in the creation of products or materials by putting them together atom by atom and molecule by molecule in order to achieve desired properties. The dimension of nanotechnology ranges between one and one hundred nanometers. In the world of science, the prefix "nano" means one billionth of a unit; a "nanometer" is thus one billionth of a meter or one millionth of a centimeter.

# Nanotechnology today and tomorrow

Nanotechnology is already part of our modern everyday life. Today, nanotechnology is already enabling the creation of intelligent surfaces, smaller and more powerful components for electronics and data storage, or nano-additives for better cosmetics and detergents – just to name a few of the tremendous number of applications which are already in active use. Within the next years, nanotechnology will drive fundamental product revolutions. Nano-enabled products will radically transform existing markets or even create entirely new markets.



We think nanotechnology will revolutionize the world due to its interdisciplinary and cross-sector influence worldwide.

Credit Suisse

Nanotechnology-related industries and markets are expected to expand dramatically in scale over the next 10 years, putting them among the most rapidly growing global markets.

In 2007, the total market value of nano-enabled products sold was some 150 billion U.S. dollars. Forecasts project that the nanotechnology market will rise to more than 2.5 trillion U.S. dollars in 2015, which would be even more than the IT and telecommunications markets together.

Nobel Prize laureates, economists and political leaders from all over the world regard nanotechnology as the next driver of global growth and an appropriate tool to solve the most pressing challenges of our society. Some even talk about it as the next Industrial Revolution.

At present, nanotechnology is still a specialized investment niche within the global capital markets. We are just beginning to enter a transformation of industry which will likewise have major repercussions for investors. Proactively identifying the most promising nanotech sectors and companies is a great challenge which requires extraordinary expertise. Nanostart has the proven ability and, through its worldwide network, the first-hand insights to choose the best investment opportunities from among those.

The portfolio companies of Nanostart exploit the enormous potential of nanotechnology to create new products and processes which are urgently needed by industries in these times of global competition. Nanostart holds a diversified investment portfolio of companies selling nanotechnology-based products to today's highgrowth industries, limiting risks and providing the potential for above-average returns to its investors.

When asked what he would do if he were to start another business from his university dorm: "Nanotechnology".

Michael Dell, CEO, Dell Corp.



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