



Nanotechnology is considered to be one of the key technologies of the 21st century with a high market and innovation potential. Nanomaterials are already being used in a variety of forms, applications and products.



Unclear risk profile. In many respects nanoparticles cannot be equated with traditional substances and chemicals because they exhibit novel properties. The incorporation of insoluble, respirable particles can threaten employees, consumers and the environment independent from the classification of those substances based on their chemical composition. Expositions can occur during production, transportation, use and disposal.

High uncertainty and dynamics. The risks adherent to nanotechnologies are being intensely scrutinized and the state of the art of scientific and technological knowledge is constantly changing. Keeping the overview is an extensive and costly task.

Regulatory and liability risks. Missing, insufficient or volatile regulatory frameworks provide little predictability and certainty. There is the risk of a more rigid regulatory environment in the future due to e.g. negative public perception. Moreover, a lack of regulations can lead to unforeseeable liability risks for producers and first marketers of nanomaterials.

Our answer is CENARIOS®, the first certifiable risk management and monitoring system that has been jointly developed by the Innovation Society and TÜV SÜD for the special requirement of nanotechnologies.

CENARIOS® integrates the newest scientific and technological findings in your risk management. This allows for an objective risk assessment in a quickly developing market characterised by high uncertainties. CENARIOS® consists of four individually combinable modules:

- **Module 1: Risk analysis and assessment.** Product and process related risks (health, environment) will be analysed and assessed. Measures and actions for the reduction of existing risks will be derived.
- **Module 2: 360° risk monitoring.** Scientific, social, regulatory and market related trends will be analyzed continuously and prospectively for strategic decision making.
- **Module 3: Issues management & communication.** Measures and instruments for the professional prevention and handling of crises will be developed. The communication of risks takes a key role.
- **Module 4: Certification.** The integrated system can be certified by the independent certifying body TÜV SÜD according to the CENARIOS® standard. This guarantees communicability and visibility.

CENARIOS® has already proven successful in practice. We will be glad to help you!

Taking Opportunities – Managing Risks. www.cenarios.ch

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360° Risk Monitoring

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