Chancen der Nanotechnologie. Einführung.

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Vorstand Forschungsplanung

NanoDialog
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Fraunhofer Gesellschaft

NT applications/aspects

drug screening, synthesis/catalysts
sensors, process control

chemistry

diagnostics, therapy, controlled drug release, tissue engineering

medicine/health

cosmetics, easy-to-clean surfaces, antimicrobial textiles, food packaging

consumer

electronic paper, displays (OLED, FED), polymer electronics, memory (GMR), sensors, biochips, passivation

electronics I&C printing

nano-technology

sewage water treatment, photocatalysis , monitoring

environment

ophthalmics, photonics, wave guides, optical switches, optical memory, lighting

optics

batteries, supercaps, fuel cells, solar cells, thermal power units, IR-reflection/glazing

energy

transparent hardcoats, weight saving (foams, polymers), glazing, corrosion protection, sensors, tires, catalysis (combustion, exhaust gas), fuel cells, supercaps

automotive

clean surfaces, switchable glazing, heat insulators, corrosion protection

construction

Quelle: OLED: Organic Light Diode, FED: Field Emission Display, GMR: Giant Magnetic Resistance

NT applications/aspects

nano-technology

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solar cells, thermal power units,
IR-reflection/glazing

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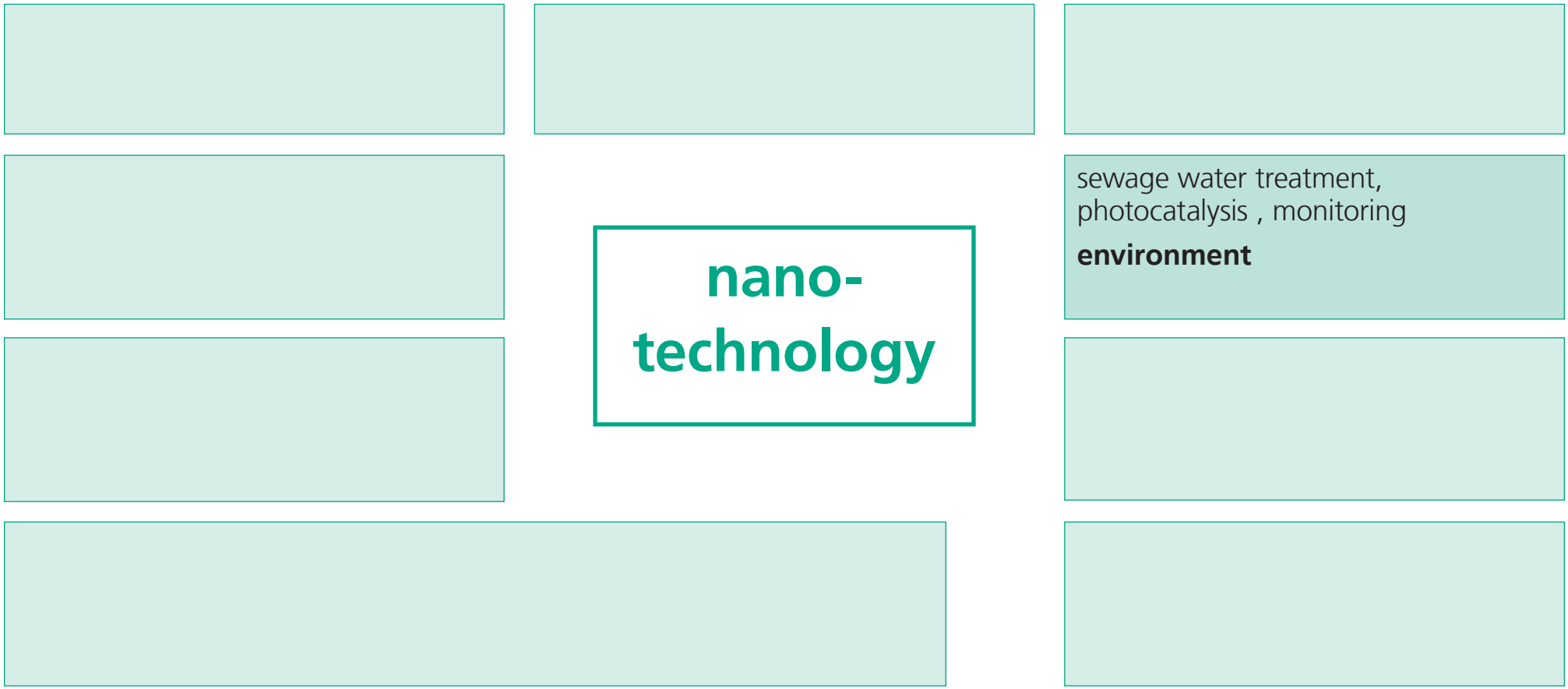
NT applications/aspects



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Is NT dangerous?

NanoSure