



















## Nokia Research Center - Skolkovo 1. Future Manufacturing Technologies ... and manufacturing paradigm is changing Printed Electronics touch sensitive surfaces, active (transistor) circuits Thin Film Energy Batteries (hierarchical nanostructures) and supercapacitors with nano-enhanced inks (graphene - nanocarbons) Energy harvesting (photovoltaics nano-enhancements of DSSCs) Thin film sensor technologies Autonomous sensors, chemical and biochemical sensors 2. Sensor technologies Wellness Diary (Activity monitoring a Low level sensor software Embedded software development, Control systems for sensor platforms Sensor processor algorithms New algorithm development, algorithms for power efficient analysis Mobile sensor content data mining Behaviour classification, recommendation systems 3. Health care Mobile health care sensing New sensing solutions for health and wellness Wellness and fitness Tools to support a healthy lifestyle Mobile Health care Mobile solutions for chronic disease, sensing to support Public Health MarkkuiRouvala@nokia@mil5.11.2011



