

Connection to FinNano: Printag Project

- Research on electrical code reader principles
 - E.g. simulations on sensitivities for code resistance values
- Research on transparent inks
 - Low cost, ink-jet printable nearly invisible carbon nanotube ink demonstrated



Commercialization of Technology

New Company with International Ownership

- The new company, Nicanti Oy
 - A Finnish company established in 2007 to commercialize electrical coding technology
 - Reader technology developed in cooperation with VTT Technical Research Centre of Finland
 - Ink technology developed in cooperation with the printing ink manufacturer Kiian and nanotechnology developer Itaca Nova
 - Company ownership: VTT, Kiian, Itaca Nova, and management
- Nicanti management has long industrial and business experience
 - Kari-Matti Varanki
 - Over 20 years experience in Nokia
 - Several years experience of electrical coding markets and technologies
 - Raimo Korhonen
 - Over 20 years experience in Metso
 - Several years experience of printed electronics and electrical coding technologies



VTT Technical Research Centre of Finland

- the biggest multidisciplinary contract research organisation in Northern Europe
- VTT provides a wide range of technology and applied research services for its clients, private companies, institutions and the public sector.



Kiian

- An Italian industrial enterprise, one of the leading international inks groups
- Kiian inks and related products cover screen printing, digital, flexo and gravure applications
- Main markets are graphics, industrial and textile segments all over the world.

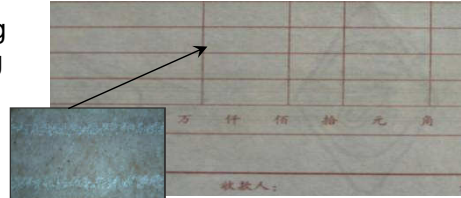


Itaca Nova

- A young Italian research and development company
- Mainly focused in nanotechnology, polymer technology and green chemistry fields.

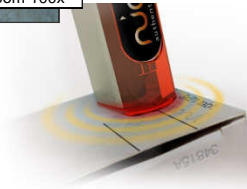
Electrical Coding – The Nicanti Solution

1. Printing electrical codes using almost transparent ink having electrical properties



Nicanti Code Zoom 100x

2. Reading electrical codes by generating an electrical field and measuring electrical properties



The First Market to Enter

Brand and Product Authentication

FAKE CROCODILE REAL RISK



- Counterfeiting accounts for between 5-7% of world trade. This currently equates to a figure in excess of US\$500 billion. - the Counterfeiting Intelligence Bureau of the International Chamber of Commerce
- In 2005, EU Customs seized more than 75 million counterfeited and pirated products.
 - Fake food and drink products seized rose by 20 per cent to more than 5 million items
 - More than 500,000 unauthorized copies of medicines were seized at the European Union's external borders.

nicanti

More information:

KARI-MATTI VARANKI

kari-matti.varanki@nicanti.com
Mobile +358 40 02 02 007

RAIMO KORHONEN

raimo.korhonen@nicanti.com
Mobile +358 40 703 0052



nicanti