

THERE ARE DIFFERENT WAYS OF ADDRESSING CHALLENGES

- → Scientists ask questions and create new knowledge.
- > Inventors transform this knowledge to find the answer to a practical problem.
- → Innovators add special value to the knowledge so as to create genuine marketable solutions.

THE SCIENTIFIC-EXPLORATORY-ENTREPRENEURIAL MIND-SET OF HUNGARIAN SCIENTISTS, INVENTORS AND INNOVATORS IS THE KEY TO OUR SOCIETY'S FUTURE.

- → Let's have a look at some outstanding achievements of Hungarian scientific and innovative talents in the past and see how their legacy lives on today in the recent innovations of their contemporary counterparts.
- The primary concept of the Smart Hungary exhibition is to demonstrate a living connection between the past and the present.
- You will understand that mankind has always faced similar challenges throughout the centuries and the approaches to solving the challenges have also shown similarities.

SMARTHUNGARY

SCIENTISTS, INVENTORS, INNOVATORS

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BALLPOINT PEN

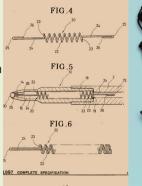
BY LÁSZLÓ JÓZSEF BÍRÓ HUNGARIAN NEWSPAPER EDITOR 1938

No need to fill up your pen every now and then

ball-socket mechanism in pen-point to allow controlled flow of ink

cleaner and more reliable alternative to fountain pens, became the world's most common writing instrument

influenced art and graphic design and spawned an artwork genre





LEONAR3D0

BY DÁNIEL RÁTAI 2010

Bridging the gap between real and virtual worlds

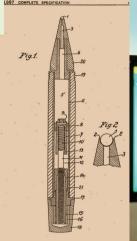
Leonar3Do's virtual reality kit is an integrated software and hardware platform

Leonar3Do transforms the flat dimensions of a screen into a 3D work environment

Leonar3Do provides a convenient tool to create, demonstrate and visualize virtual objects in real space

www.leonar3do.com











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PREVENTING INFECTIONS

BY IGNÁC SEMMEI WEIS HUNGARIAN DOCTOR AND PHYSICIAN 1847

Early pioneer of antiseptic procedures in healthcare

examined high maternal mortality rate in maternal clinics and found that childbed fever could be cut by precautions

introduced the protocol of hand washing by care-givers with chlorinated lime solution

he was dubbed as the "savior of mothers" for his results

HAND IN SCAN

BY TAMÁS HAIDEGGER. MELINDA NAGY, LÁSZLÓ SZILÁGYI, PÉTER RÓNA. ÁKOS LEHOTSKY 2012

Visible improvement of hand hygiene control

visualizes an objective and real-time feedback on the user's hand hygiene

essential tool for the training, control and monitoring of the hand disinfection quality in healthcare and other industries

> sophisticated system that integrates a cloud-based software for reporting

> > www.handinscan.com













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Not only the content but also the manufacturing of the installations testify to Hungary's innovative entrepreneurship. All parts of the exhibition are made of recycled cardboard and are uniquely produced by Terbe Design, an advanced Hungarian SME.

Smart Hungary is an exhibition compiled and supervised by the **NATIONAL RESEARCH, DEVELOPMENT AND INNOVATION OFFICE,** the organisation being responsible for governmental RDI policy and acting as the funding agency for R&D and innovation in Hungary.

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