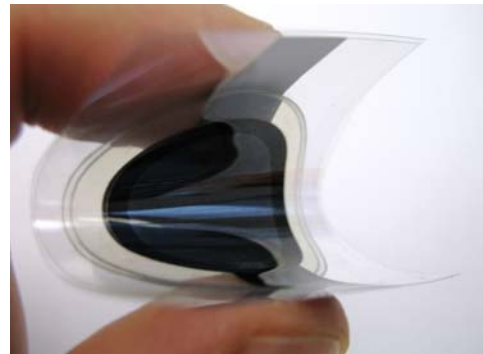




**electronics –**

**flexible, simple, cheap,**

**and mainly printed**



prelonics printed battery

**prelonic, founded in 2007 and based in Linz, Austria, is developing mass producible printed batteries. Within 2008 a mass production facility will be established. Besides printed batteries other elements, like displays, conductors, antennas, etc. will be introduced into prelonic products.**

prelonic will close the gap which emerged in printed electronics. Many companies active in printed electronics, focus to high-end applications and are successfully developing for years now different demanding applications like high resolution displays, solar cells or sensors.

Besides these striking high tech applications some other areas are ready for instant commercialisation which could already be used for products.

prelonic will start very fast with low-end products and target applications where the requirements already meet the performance of the products. This will be the way to start fast and to be ready for mass production in a short time. High end products will be produced later on, when technology is mature and processes are optimized.

The processes employed will consist mainly of conventional printing processes, combined with a proprietary and patented production process optimized for mass production.

The first printed element will be a battery, fully printed, paper thin and environmental friendly. The printed battery will be used in products like smart cards, RFID transponders and other thin, flat products.

The battery is seen as the central element of many applications.

Electronics get mobile. In the near future not only discrete electronic devices will guide us, but electronics will be integrated to everyday life things like clothing or packaging. This creates the need for grid independent power – a battery. These will be produced by prelonic.

Besides printed batteries also other elements will be produced by printing. prelonic filed some patent applications describing the developed production process for

batteries, displays and other electronic elements which will reduce costs significantly for mass production.

In 2008 a German subsidiary will be founded, to co-ordinate the co-operation with important German industry partners.

## The founders

### Friedrich Eibensteiner (45), CEO



Dr. Eibensteiner is founder of *prelonic*. He is an innovative entrepreneur with 10 years of experience in building up high tech companies. Prior to starting *prelonic* he was managing and growing high tech companies in the fields of printed electronics and transponder technology.

Dr. Eibensteiner did his PhD at the Johannes Kepler University of Linz after his studies of Technical Chemistry and Economics.

Leaving the University he worked from 1994 to 1997 with a consulting company in the environmental and agricultural area.

From 1997 to 2000 he ran his own consulting company (SYSAN – Systemic answers) in the technology segments Biotechnology and Systems Analysis, before he joined the Trierenberg Group and built up the Systems Integrator for Transponder Technology TRICON. Before founding *prelonic* he was CEO and Managing Director of the Nanoident Organic FAB GmbH which he built up.

### André Kreutzer (28), CTO



André Kreutzer is founder of *prelonic*. Besides his innovative strengths he was working years on the interface of material science and printed electronics.

After his Master studies in engineering at the University of Applied Sciences Mittweida he started his career at the Schreiner Group, in the area of security label development. Afterwards André Kreutzer set up the battery printing technology at KSW Microtec, a leading RFID and microelectronics company. 2006/07 he used his outstanding know-how in the electronic printing technology to work as consultant for technology and process development in

printed electronics. His clients were mainly American systems integrators for printed electronic systems.

### For more information:

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