



# VERIDOS

**IDENTITY SOLUTIONS**  
by Giesecke & Devrient  
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## We create secure and pioneering identity solutions

### Optaglio delivers anti-counterfeit tech for 20 million docs in first half of 2017

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Czech high-resolution security holograms firm Optaglio has announced it delivered security elements for 20 million polycarbonate ID cards, passports and driving licenses in the first half of this year.

It means more than 30% growth in comparison with the same period of 2016. OPTAGLIO thus strengthened its position of a leader in polycarbonate focused solutions.

The company wrote in a statement that this underlines a trend towards polycarbonate documents with machine-readable biometric data.

More and more governments issue either polycarbonate cards or paper documents with polycarbonate page, and most of the market analysts say that up to 2022, only a few nations will insist on entirely paper-based documents, wrote the firm.

"Of course, polycarbonate is not the only interesting technology. The market moves fast; composite cards producers can surprise us and renaissance of PVC cannot be ruled out. However, at this moment, polycarbonate is the king. We do not expect a change in the forthcoming years," said Dr. Toma Karensky, senior research manager in OPTAGLIO.

"We have not adapted a technology originally focused on paper. Several years ago, we started an entirely new development project narrowly focused on polycarbonate. Now we can benefit from this decision, but we are not sleeping. Another major innovation is under development. Very likely the product will be available by the end of this year."

The firm noted that its Optaglio OVMesh product line, which is focused on polycarbonate cards, enables security holograms to be integrated into polycarbonate cards to create a single polycarbonate unit without any heterogeneous adhesive.

Producing holograms that consist of thousands of tiny pieces. During the card lamination, the melted polycarbonate flows between these pieces. Any removal attempt thus results in irreversible dissolution of the hologram.

Combining holograms with microholograms, microscopic metallic dots sometimes called "holographic dust". There are a full hologram and letters engraved on each dot.