



# TOPPAN SECURITY REDESIGNS FINLAND'S LICENSES AND PERMITS

**The Finnish Transport and Communication Agency (Traficom), the country's traffic and communication agency, selected TOPPAN Security for the manufacturing and redesign of 21 cards to update security features and compliance with European standards.**

Traficom oversees a diverse portfolio of licenses, permits and registrations across Finland's transportation and communication sectors.

Traficom actively works to lay the groundwork for a thriving, connected Finland. A crucial part of this mission is ensuring the country's documents — like qualification documents, driver's licenses and other permits — are not only highly secure, but also modern and user-friendly.

## CHALLENGE

Traficom manages a diverse range of licenses and permits beyond the Finnish driver's permit. This includes licenses for different types of trucks, boats, buses, taxis, aircrew identification, radio licenses and the issuance of tachograph cards. The various cards and permits require an update every few years to ensure the most up-to-date security features are integrated to stay ahead of forgers and counterfeiters.

With its 30-year track record of designing and manufacturing award-winning secure identity documents for governments — such as the Estonian and Bahraini passports — TOPPAN Security emerged as the ideal document designer for Traficom's needs.

# SOLUTION

To guarantee superior quality and industry-leading features for the documents, TOPPAN Security partnered with CardPlus Group, a Finnish provider of ID documents, services and systems. Both companies worked closely with Traficom to make sure their expectations for the design and security content was met. Through a series of workshops, the TOPPAN Security design team collaborated with the customer to meet their expectations and needs for the card updates.

"The unique approach we have is about understanding the customer requirements and collaborating really closely with them and their teams to ensure that we create the most beautiful and secure cards," explained Matthew Sugdon, TOPPAN Security's Director, Security Graphics and Partners.

The design project included the creation of five card families, and within each of group there were multiple cards:

- Road transport
- Tachograph cards
- Rail
- Digital cards
- Watercraft
- Aviation

Finland's new driver's license — which has the highest security requirements and the biggest volume — boasts many more innovative features than previous generations. In order to meet European regulations, the word "driving license"

needed to be written on the card in all 27 EU languages. A key new security measure was the inclusion of two strategically placed transparent windows within the card body; one of them an edge window, and the second, an internal window of unique shape and size including a second portrait, directly above the multiple laser image (MLI) for easy verification.

"It's one of the best security features we have today, and we've created the most secure Finnish driver's license ever," added Sugdon.

"The driving license is, of course, the pride of our collection. The design process was very interactive, and the designers had very good, fresh ideas. It went really well," said Henna Antila, Head of Driver's Licenses at the Finnish Transport and Communications Agency, Traficom.

The final solution included:

- **High-security driver's license cards** that offer superior security features compared to the previous versions and meet European standards and regulations
- **Second-generation smart tachograph cards** that comply with the European Union's regulations requiring commercial vehicles to use upgraded tachographs by 2026
- **Tailor-made software and hardware** designed to streamline the issuance process for Traficom, ensuring efficiency and user-friendliness

"My favorite part of the design process was how our own ideas could be put into practice with the design team of TOPPAN Security."

*Pekka Hiltunen*

*Development Manager at Finnish Transport and Communications Agency*



# RESULTS

In April 2024, Finland's professionals in the transport sector started receiving new cards for identification and citizens began receiving their new driving licenses. The design and security upgrades better reflect the purpose of the cards and elevate their security.

**Enhanced Security:** The new system includes advanced security features in both driver's licenses and other cards, protecting against fraud and unauthorized access.

**Streamlined Efficiency:** Traficom benefits from a modern and efficient system for issuing driver's licenses.

**EU Compliance:** The solution adheres to all relevant EU regulations regarding driver identification and tachograph usage in commercial vehicles.

**Improved User Experience:** The new driver's licenses will be more durable and easier to use, while the overall system simplifies the process for Traficom and enforcement agencies.

"TOPPAN Security has allowed us to quickly provide secure and trusted card products for drivers, as well as professional authorization across a modern infrastructure that protects against fraud and corruption," said Antila, from the Finnish Transport and Communication Agency.



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