

International energy producer UPM elevates its access control to eliminate traffic delays and boost productivity

CHALLENGE:

Employees subject to cumbersome and inefficient procedures daily in order to authenticate their identities and ensure plant safety



Finnish company UPM operates 54 production plants and employs more than 19,000 people around the world. The company is involved in a wide range of bioeconomy industries, creating sustainable and safe energy, paper, plywood and other recyclable products from renewable raw materials. At its facility in Fray Bentos, Uruguay, UPM operates a first-class pulp mill that is also a significant biomass-based energy producer, accounting for 8% of the Uruguayan population's energy.

Immediately upon launching its transportation service at this location, the company struggled with the logistics of ensuring that only authorized personnel enter the facility via the company-sponsored service buses. When the buses arrived at the main checkpoint 1.5 km from the UPM plant, employees had to exit the bus, form a line, and pass through a turnstile before re-boarding and completing their trip. This inconvenient authentication process was tedious, inefficient, inaccurate, and often exacerbated by inclement weather conditions. Further, traffic jams and major delays were par for the course, which led to significant time loss for UPM and workers alike.

SOLUTION:

Convenient, secure identities on smart cards and mobile devices that are always connected

HID Partner Alutel Mobility recommended that UPM deploy a solution utilizing its mobile devices with built-in HID OMNIKEY® smart card readers and HID Seos smart cards. A major advantage of the system was that it required only smartphone or tablet hardware and the Alutel software application. It could even be used without an internet connection — allowing the authorization process to be conducted in areas lacking connectivity. The integration now allows UPM security staff to enter corporate buses and quickly and efficiently verify employee identities, streamlining the entire authentication process while ensuring a level of accuracy previously unrealized.

When it came to ID cards, UPM set high standards of security and quality by using Seos cards in the CP1000 iCLASS SE® format. This enables them to maintain tight control over the information these credentials contain in the most secure way possible.”

— **Michel Grudzien**
Engineer and Director
with Alutel Mobility

From beginning to end, the process is simple. Each UPM employee is issued a Seos® smart card or an HID Mobile ID carried on their smartphone. Employees present their card or smartphone to the UPM security personnel’s Alutel RAGTAB tablets, which contain HID’s OMNIKEY® mobile reader and Alutel’s Autel Mobile app. During authentication, the mobile reader on the tablet or smartphone displays the employee’s photo to prevent identity theft and utilizes GPS to record location information.

OUTCOME:

Less time in transport, increased flexibility, and up-to-the-moment data

Beyond significantly reducing its employees’ transportation time, the solution has given UPM an identity management system with permanent connectivity and the ability to synchronize with its database in real time. It has also enabled the company to avoid any discrepancies between data saved on a card versus in its database, providing instant logistical support to security guards in controlling access points, reducing the possibility of intrusion, aiding in evacuation and other security measures.

Because not all employees utilize the company bus, and not all who enter the facility are employees, UPM installed readers at car-window height at various checkpoints so that every person who enters the facility can be quickly and easily verified. Once the initial verification step is complete—either on a company bus or at a checkpoint—authenticated individuals can then enter various protected areas within the plant, their cards or smartphones acting as digital signatures within the permissions system designed by UPM.

The results? Traffic delays have lessened, and lost productivity hours have been curbed, as the mobile reader system at the UPM Fray Bentos plant registers approximately 14,000 events each month, delivering on its promise of up-to-the-moment security and convenience.

FOR MORE INFORMATION

about HID Global’s OMNIKEY® Credential Reader

- please visit our website [here](#),
- review our OMNIKEY product selector guide [here](#)

hidglobal.com

North America: +1 512 776 9000
Toll Free: 1 800 237 7769
Europe, Middle East, Africa: +44 1440 714 850
Asia Pacific: +852 3160 9800
Latin America: +52 55 5081 1650

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