SUCCESS STORY

人员身份信息卡 · 国家电网公司 STATE GRID

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国家电网
STATE GRID
STATE GRID CORPORATION OF CHINA

- **CHALLENGE**
  Issue real name staff badge in construction site

- **SECTOR**
  Electricity and Telecom

- **APPLICATION**
  ID badge

- **EVOLIS SOLUTION**
  Zenius

STATE GRID CENTRALLY ISSUES REAL-NAME STAFF IDENTIFICATION BADGES TO ACHIEVE PRECISE CONTROL OF PARTICIPANTS

State Grid is a wholly state-owned company directly managed by the Central Committee of the Communist Party of China. It mainly engages in investing in the construction and operation of the power grid, and undertakes the basic mission of ensuring safe, economic, clean and sustainable power supply. State Grid ranked fifth in Fortune's top 500 list released in 2019. Every construction project of the State Grid is of great significance for the country's economic development. Whether it is the feasibility study and approval process in the early stage of the project, or the start of construction, standardized safety management is signiciant for infrastructure projects.

STAFF INFORMATION IS ENTERED INTO THE DATABASE, MONITORED AND UPDATED IN REAL TIME

In order to enhance the safety management of infrastructure projects, the subsidiaries of State Grid in various provinces and cities have initialized standardized and accurate control over all participants:

- Establish a unified database to collect personnel static and dynamic information

- Issue a real name work permit, one badge per person

- Accurately manage personal dynamic information and behaviors

Uitraiot, one of Evolis partners, developed a system for State Grid in order to establish a "one badge per person" identity recognition mechanism. This system uploads personal information through a standardized database platform and connects to the State Grid mobile APP and infrastructure information system through a data interface.

DESKTOP CARD PRINTER ISSUING PERSONALIZED STAFF IDENTITY BADGE

The data standards of the personal identity badge are formulated by State Grid and Uitraiot. Data is entered into the information platform after passing the review, and then the system automatically generates a code, which is printed on the badge as a QR code. After scanning the QR code, the manager can view all the dynamic information of the card holder on the system. The QR code is the only information traceability code for the infrastructure personnel.

"With Evolis Zenius, the printed portrait photos demonstrate good color and clarity. Also, we are satisfied with the stability of the printer's high-intensity card issuance. "

Mr. Chen, Infrastructure Informatization Project Department
State Grid Information & Telecommunication

Due to the large quantities of badges and the need for personalized printing of each card, the system needs to be equipped with a card printer featuring both productivity and stability. After evaluating various solutions, Uitraiot finally decided to use a desktop card printer for card issuance. In early 2019, State Grid's subsidiaries in Hebei and Shandong provinces purchased over 300 Evolis Zenius card printers. The badges were printed in color on one side. In addition to the logo, infrastructure personnel's photos, names, card number codes and unique QR codes were printed on the badge.

THE COMBINATION OF CENTRALIZED AND DECENTRALIZED CARD ISSUANCE GREATLY IMPROVES THE PRODUCTIVITY

In order to improve the efficiency of card issuance, State Grid has specially developed a set of integrated database system. Each computer centrally controls 6-8 Zenius printers, and at the same time retrieves the staff information in the database for personalized printing. The card issuance amount can be greatly increased to 800-1,000 pcs per hour.

Participants receive the information badge when they arrive at the site, and complete attendance on the terminal every day by badge scanning and face recognition.

In early 2019, the subsidiaries of State Grid in various provinces have completed the centralized badge issuance and entered the personal information in the database. After that, each branch will be equipped with a Zenius card printer, which will immediately collect information from the newly joined participants and print the personal identity badges at the site of the infrastructure. By the end of 2020, more than 80,000 badges had been issued.

CUSTOMER TESTIMONIAL
Dong Liyong, R & D Department of Uitraiot

WHAT DID YOU CHOOSE THE EVOLIS SOLUTION?

The Premium SDK of Evolis's Zenius printer can be integrated with any other system. The code in the SDK is very simple to use. The project site needs a large number of cards every day so our customer requires the solution to be efficient and reliable. After many tests, Zenius shows excellent printing stability and productivity.

ABOUT UITRAIOT

Established on January 4, 2005, Uitraiot is a wholly-owned subsidiary of SYRIS (Beijing) Electronic Technology Co., Ltd. As a collaborative unit of the State Grid Information & Telecommunication Group Co., Ltd., it is committed to the solution of informatization of the State Grid infrastructure. Based on automatic identification technology, the company provides industry solutions while implementing system integration.

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