③ Training: level 1
MIFARE Plus® / DESFire® EV1 technologies

Boost your RFID expertise

STid supports your development and helps you easily integrate RFID technology!

With our training program, you will gain an in-depth understanding of RFID technologies and will be able to update your existing applications in order to enjoy the latest features and get the most out of your equipment. Learn new, cutting edge skills to help you integrate, install and sell your RFID technologies and equipments. Our goal is to offer STid expertise to support your organization, providing both technical and commercial knowledge that is specific to your field. We bring added-value to your RFID retail, integration or distribution activities.

Discover, understand and implement new technologies! This module focuses on the integration of MIFARE Plus® and DESFire® EV1 technologies in access control systems. The workshop features a full presentation of these two technologies and their applications with several practical case studies.

▶ **Customer Benefits:**

- Discover MIFARE Plus® and DESFire® EV1 innovations.
- Gain complete technical skills which will help you to understand cryptography mechanisms (authentication, confidentiality, AES, 3-DES, HMAC SHA-1, etc.).
- Master the key techniques for implementing these technologies in access control systems.

▶ **Teaching methods**

You will receive both theoretical and practical training, led by a professional instructor specializing in radiofrequency electronic systems. Written materials are provided during training.

▶ **Target audience**

Innovation and Strategic Investment Programme Managers, Supply Chain, Project Managers, Product Managers, Sales Managers, Operations and IT System Managers.

▶ **Prerequisites**

Advising, integrating, installing or using RFID solutions

▶ **Handouts**

- Paper materials
- Training certificate

☑ **More than a RFID manufacturer...**

Reinforce your skills, update your knowledge about the various RFID technologies, distance yourself from your competition by getting innovative know-how: these are STid's goals and it aims to achieve them by offering RFID trainings closely corresponding to the needs of your professions.

STid provides a wide range of training services to its international client-base through an excellent team of trainers who bring knowledge and expertise to your company. We offer custom-made trainings for your sales and technical services. STid is a training organization declared under the activity number 93 13 13328 13.

Strengths of the training:

- **Method and tools:** participants receive handouts specific to each RFID module.
- **Case studies based on real-life situations:** adapted from situations encountered in all kinds of organizations.
- **Intensive and comprehensive modules:** covering all fields indispensable to the application of RFID technology.

Schedule

Morning: 9H00 to 12H30

Introduction to MIFARE® technologies	• Options, chip characteristics and position, standards
MIFARE Plus®	• MIFARE Plus® within the NXP range • Technical details of MIFARE Plus® security and its different levels • Introduction to MIFARE Plus® chips: memory size, MIFARE Plus® S and X • MIFARE Plus® target markets • Case studies

Afternoon: 14H00 to 17H30

DESFire® EV1	• DESFire® EV1 within the NXP range • DESFire® and DESFire® EV1 • Technical details of DESFire® EV1 security and its different levels • Introduction to DESFire® EV1 chips • DESFire® EV1 target markets • Case studies
Part number	FORMATION_CAT2_N3

✓ **Funded training organization**

- Activity number: 93 13 13328 13

Choose the training site of your team: at our headquarters (13, Gréasque, France) or directly on your site.

STid Academy
Partner Support Training

*For inter-company training at our Gréasque site. For any inter-company training requests and/or training at your site, please contact us for a quote.

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