STid Mobile ID Credits.

How it works.

- All STid readers in ARAS' range are prepared for STid Mobile ID.
- All STid readers are available in two versions – one with Bluetooth and one without Bluetooth.
- Both versions work with STid Mobile ID, however the version with Bluetooth must be used if the reader is to work with both Apple and Android phones. The non-Bluetooth model currently only works with Android, as Apple has blocked NFC for use in access control systems.

To use your mobile phone with a STid reader, do the following:

1. Download the **STid mobile ID** app from Google Play or the App store.

2. When you start the app, you will find a virtual **green card** (STid Mobile ID) with a unique 32-bit number. This card is free and works on all STid readers. You can use it in your access control system once the reader is set up. The green card works in so-called "Badge Mode"* (/Card Mode), i.e. you hold the phone against the reader instead of a card. You can use this card as long as you want without an end date. No annual fees or other costs from STid.

*Badge Mode is recommended by ARAS Security

3. You can upgrade the green card (STid Mobile ID) to a **yellow card** (STid Mobile ID +). The yellow card gives you three new ways to open doors, in addition to Badge Mode. These are "Slide Mode", "Handsfree Mode" (up to approx. 10 meters reading distance) and "Tap Tap Mode" (up to 15 meters reading distance). The upgrade from green to yellow card costs 1 credit (one-off amount which cannot be returned). No annual fees or other costs from STid are added.

4. You can also choose a card with extra high security, the **blue card** (Secure Virtual Access Card), which allows for "Remote Mode" (up to 20 metres). With the blue card, it is also possible to use Smart Watch and SIRI voice control. Buying a blue card costs 5 credits (**which are returned when the card is cancelled**).
   When you have issued a blue card for your mobile via Secard with encoder offline or alternatively via the portal, 5 credits are deducted from your system.
   When you cancel your blue card via Secard with encoder offline or alternatively via the portal, you get all 5 credits back and can thus create a new card. You can do this as many times as you want. The card is valid as long as you have it in your phone, and if you change phones, you use the transfer function to move it to your new phone. This is controlled in security settings if you have permission to do this yourself, otherwise you must communicate with the card administrator to have a new blue card sent out. No annual fees or other costs from STid are added.

5. There is a variant of the blue card, called "Visitor Card", which has the same functions as the previously mentioned blue card, but with a lifespan of between 15 minutes and a week.
   This type costs a credit to use (a one-time amount that cannot be returned).

- The green and yellow cards connect between mobile and reader with STid Mobile ID default keys.
- The blue card connects with private keys, so only the customer's blue card is read in STid readers.
- You can use green, yellow and blue cards at the same time in the reader, if desired.
- The blue card is built on a Desfire-like architecture with open crypto methods such as AES.
- You can design the blue card according to your company's brand through the portal.

STid Mobile ID ID : #42BF3478	STid Mobile ID + ID : #42BF3478	STid Mobile ID
Free	1 credit	5 credits

To load your card into your access control system, you must use the following USB table reader:

https://www.aras.dk/english/shop/stid-blue-desktop-reader-secure-eal5-usb-wedge

5 methods of door opening

Badge mode*	Let your smartphone touch the reader like a conventional RFID card.	
Slide mode**	With your phone in your pocket or handbag, simply "Slide" your hand over the reader to open the door.	
Tap Tap mode	"Tap" your smartphone twice in your pocket to gain access.	
Hands-free mode	Walk past readers and the door opens automatically.	
Remote mode	Use the smartphone as a remote control to control your access points remotely.	

*   Use of standard Badge mode is recommended by ARAS Security
** Slide mode does not work on these readers: ARC-B (with keyboard) and ARC-1 (mini reader)

Three calculation examples (in this example the end customer pays €1 per credit):

1.
A school has 100 students and 10 teachers and you will use the green card for "Badge Mode".

You then buy the desired STid readers and install them.

All employees and students then download the STid Mobile ID app and then receive the green card in the phone that is compatible with the readers in "Badge Mode".

Total cost for **110 green STid Mobile IDs = €0**

2.
The same school, with the same prerequisites, but which also has three students and one employee who are wheelchair users.

You therefore want to give them the option of automatic opening of up to 10 metres, and therefore choose to upgrade four green cards to yellow cards.

Total cost for this upgrade:

4 credits for €1 = €4

No other annual fees or costs from STid.

3.
A university with 1000 students and 100 teachers with three-year courses wants to secure their location with Desfire-like mobile ID security architecture.

You choose the STid Mobile ID blue card.

The total costs are therefore: 1100 students and teachers x 5 credits per Person.

5500 credits for €1 = €5500

After one year, 333 students graduate and these cards are canceled on their phones and 333 x 5 credits (a total of 1665 credits worth €1665) are returned to the system.

After the summer, 333 new students arrive at the school, and the available credits are reused for these.

After the first purchase, there will therefore be no more expenses, unless the number of cards is to be expanded.

No other annual fees or costs from STid.