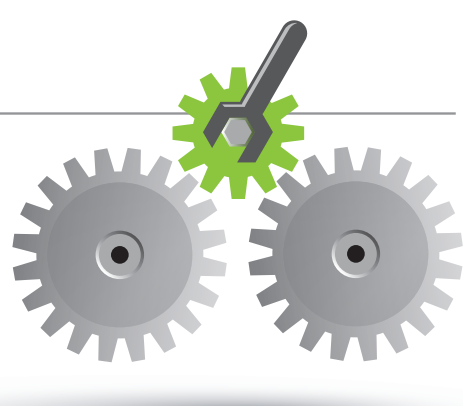
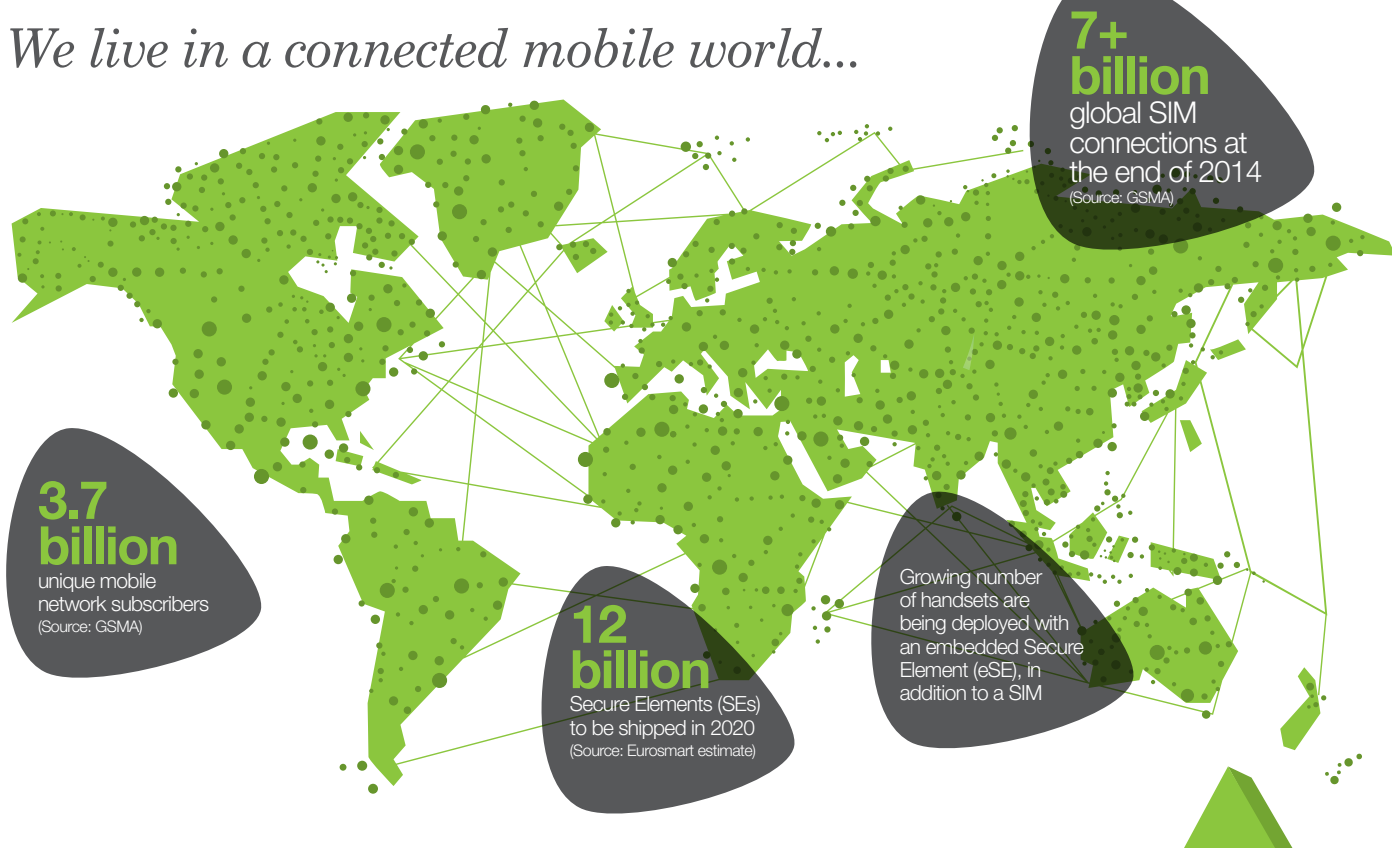


# The SIMalliance Open Mobile API:

Providing security for mobile applications



We live in a connected mobile world...



...where Secure Element usage is increasing



There has been a mobile app explosion...



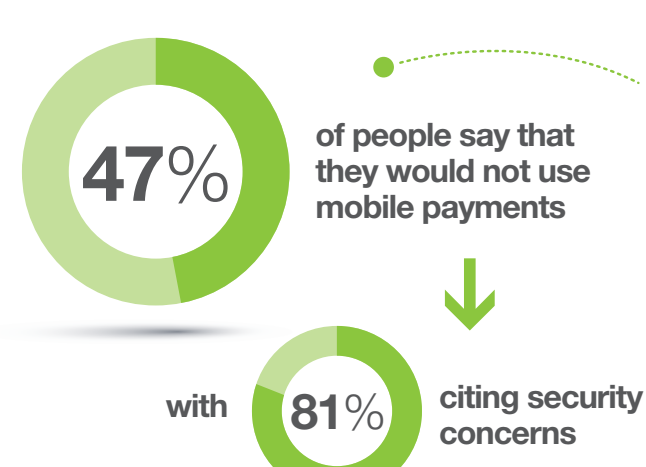
...resulting in an unprecedented need for security, to protect many different types of mobile service.

The revolution in secure mobile service delivery can benefit many sectors:



But, there are security concerns to consider...

Delivery of IP-based services through smartphones which run many diverse operating systems (OS) and OS versions, has opened the network to attack from viruses and hackers. Security concerns can prevent the adoption of secure mobile services by consumers. For example:



So how can mobile services be secured?

- The SE provides security for mobile services from the OS up.
- It provides the most advanced security for a mobile application in a connected device.
- A SIM is an SE which is already available in all mobile devices.
- Handset manufacturers are increasingly deploying embedded SEs, resulting in many handsets with multiple SEs (SIM + eSE).
- Advanced security is possible if mobile applications are designed to utilise an SE.

What value does SIMalliance bring?

The SIMalliance OMAPI is a globally recognised royalty-free specification that standardises mobile application access to SEs in a device.

SIMalliance has developed:

- 1. Core Spec**
- 2. Test Spec**
- 3. Test App**

The SIMalliance OMAPI Specification is:

- Implemented in nearly 250 models of NFC Android smartphones.
- Available to implement on all smart phone models globally.
- Supports all types of SE (SIM and eSE) and therefore enables multiple business models for bringing mobile services to market.

The SIMalliance OMAPI is recognised as a core specification by the industry:

- Referenced by the GSMA.
- Included in GlobalPlatform's Device Compliance Programme.
- The Global Certification Forum is certifying devices with OMAPI.
- The North American Certification Scheme, PTCRB, will soon start certifying devices with OMAPI implementation.

OMAPI can be used to secure:

- NFC services
- Payments services
- Access control
- Ticketing/public transport
- ID services
- Loyalty services
- ID management

Benefits for service providers:

- 1. Higher levels of end user trust = faster and more widespread adoption of services**
- 2. Reduced development costs**
- 3. Improved time to market**
- 4. Improved time to revenue**

For more details please visit [www.simalliance.org](http://www.simalliance.org)

More in-depth SIM market data can be purchased on a yearly subscription. Contact [secretariat@simalliance.org](mailto:secretariat@simalliance.org)

## About SIMalliance

SIMalliance is the global, non-profit industry association which simplifies secure element (SE) implementation to drive the creation, deployment and management of secure mobile services.

