



SMART CONNECT M2M

Global and always-on connectivity for
IoT and M2M devices



SMART CONNECT M2M

At a glance

Key Components

- › Digital Personalization System (DPS)
- › Subscription Manager Data Preparation (SM-DP)
- › Subscription Manager Secure Routing (SM-SR)
- › Smart Connect Manager

Related Products

- › DAKOTA eUICC (5G & Smart IoT)
- › IDEMIA eUICC Applets

Go-to-Market

- › Tier 1 OEM
- › Tier 1 mobile operators:

Deployment models



Insurance -

Get peace of mind for the future

- > Enable first connectivity by downloading an operational profile
- > Enables to change connectivity provider or agreement whenever it is needed in the future



Active swapping -

Get the best local connectivity available

- > Swap to the optimal carrier profile based on connectivity costs and coverage
- > Swap to a new provider when entering a new region or crossing a border
- > Rely on the best connectivity provider depending on the location

Key differentiators

- › Leading position in M2M since 2012
- › Execution of massive campaigns for major car makers
- › Support new eSIM IoT use cases
- › Easy integration and powerful business process management
- › E2E solution with DAKOTA and applets

Some references



ESIM M2M DEPLOYMENTS MODELS

Manage global and future-proof deployments



Insurance – Get peace of mind

- › Enable local production in a factory and a global distribution
- › Enable first connectivity by downloading an operational profile
- › Enables to change connectivity provider or agreement whenever it is needed in the future
- › Allow to switch connectivity from one operator to another if needs arise in the future

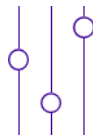


Active swapping – Swap to local connectivity

- › Swap to the optimal carrier profile based on connectivity costs and coverage
- › Swap to a new provider when entering a new region or crossing a border
- › Rely on the best connectivity provider depending on the location

SMART CONNECT M2M OVERVIEW

Allows any M2M and IoT device to connect to the network out of the box



Digital Personalization Service (DPS)*

- › Dynamic profile ordering, generation, updates, and inventory management (DPS)



Subscription Manager Data Preparation (SM-DP)

- › Represents the MNOs
- › Manages its profiles.
- › eSIM profile storage, preparation and downloading to device



Subscription Manager Secure Routing (SM-SR)

- › Represents the eUICC owner.
- › Securely delivers the profile to the eUICC
- › Manages downloaded profiles on the eUICC (enable, disable, delete).

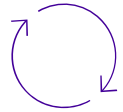


Smart Connect Manager*

- › Business Process Management
- › Easily connect MNO and OEM backend systems
- › Handle external events
- › Manage intelligent workflows
- › Run campaigns on batch of eUICCs

SM-DP & SM-SR MAIN FEATURES

From the generation to the lifecycle management of the profiles



Swap profiles

Enable/disable a profile when MNO changes during the device lifetime



Update profiles

such as updating subscription address, the IMSI and/or the MSISDN of a profile in the Smart Connect database



Set fallback profile

Define which profile in the eUICC becomes the fallback profile



Delete profiles

when the active profile is no more needed for e.g. when the MNO partnership ends.



Remotely audit eUICC

Retrieve info such as downloaded profiles and their state, available memory, certificate, etc.

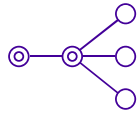


Change SM-SR

Transfer ownership from one SM-SR to another SM-SR.
Import/export eUICC

SMART CONNECT MANAGER

Added - value for OEMs



Subscription management by OEM

OEM defines, personalizes and modifies subscription processes according to its needs and structure (subsidiaries, group...)



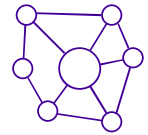
Profiles management

Profiles lifecycle management via eIM API



Orchestration of subscription and profile management

Coordination of profiles' and subscriptions' management

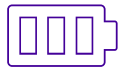


Easy integration

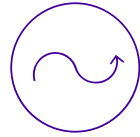
One single point of integration for OEMs to connect to multiple MNOs' CMPs

NEW ESIM IOT

To benefit from best of M2M and Consumer specifications



Address Low Power IoT use cases



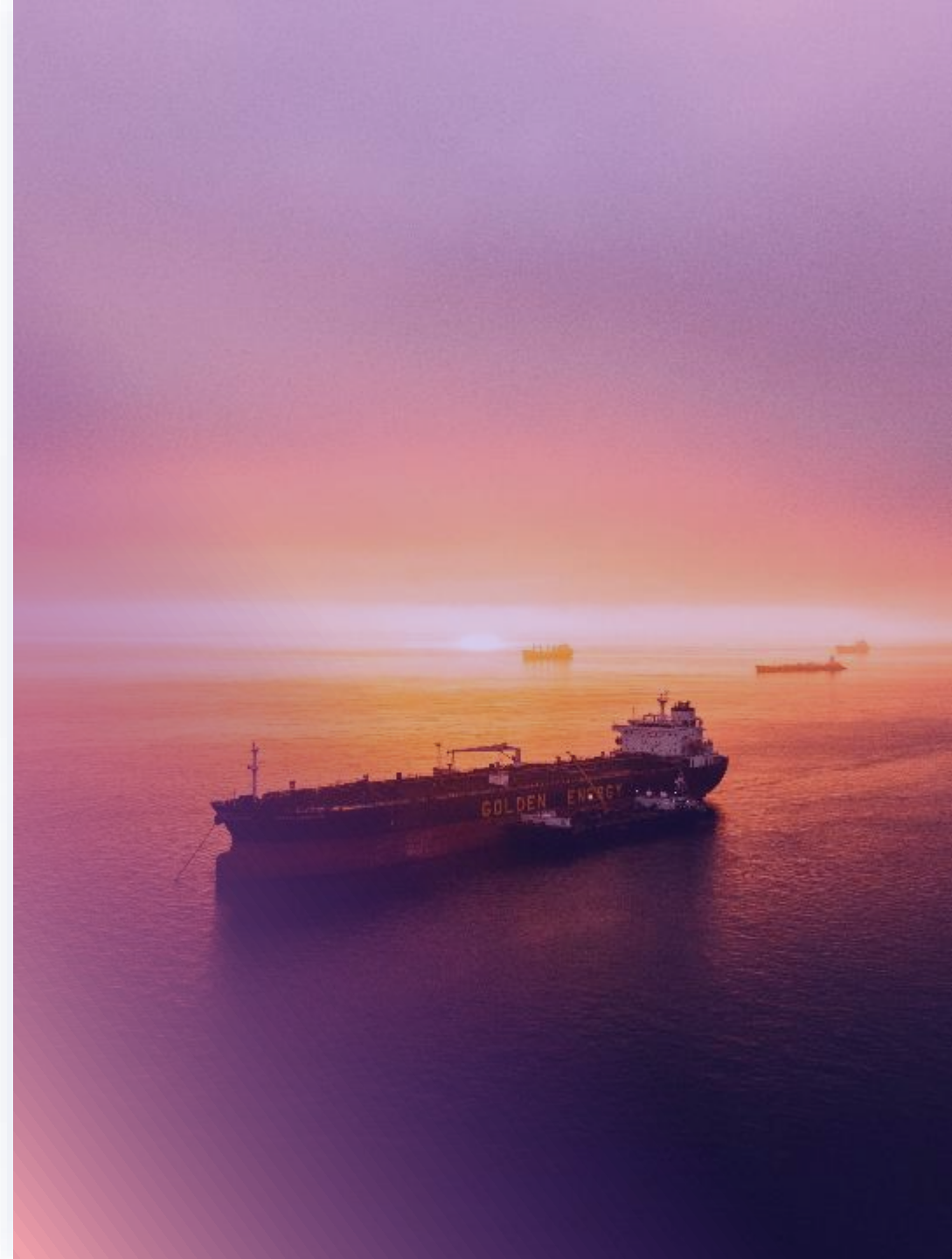
Enable IoT service providers to truly embrace eSIM flexibility



Simplify deployments and integrations



Leverage best of both specs



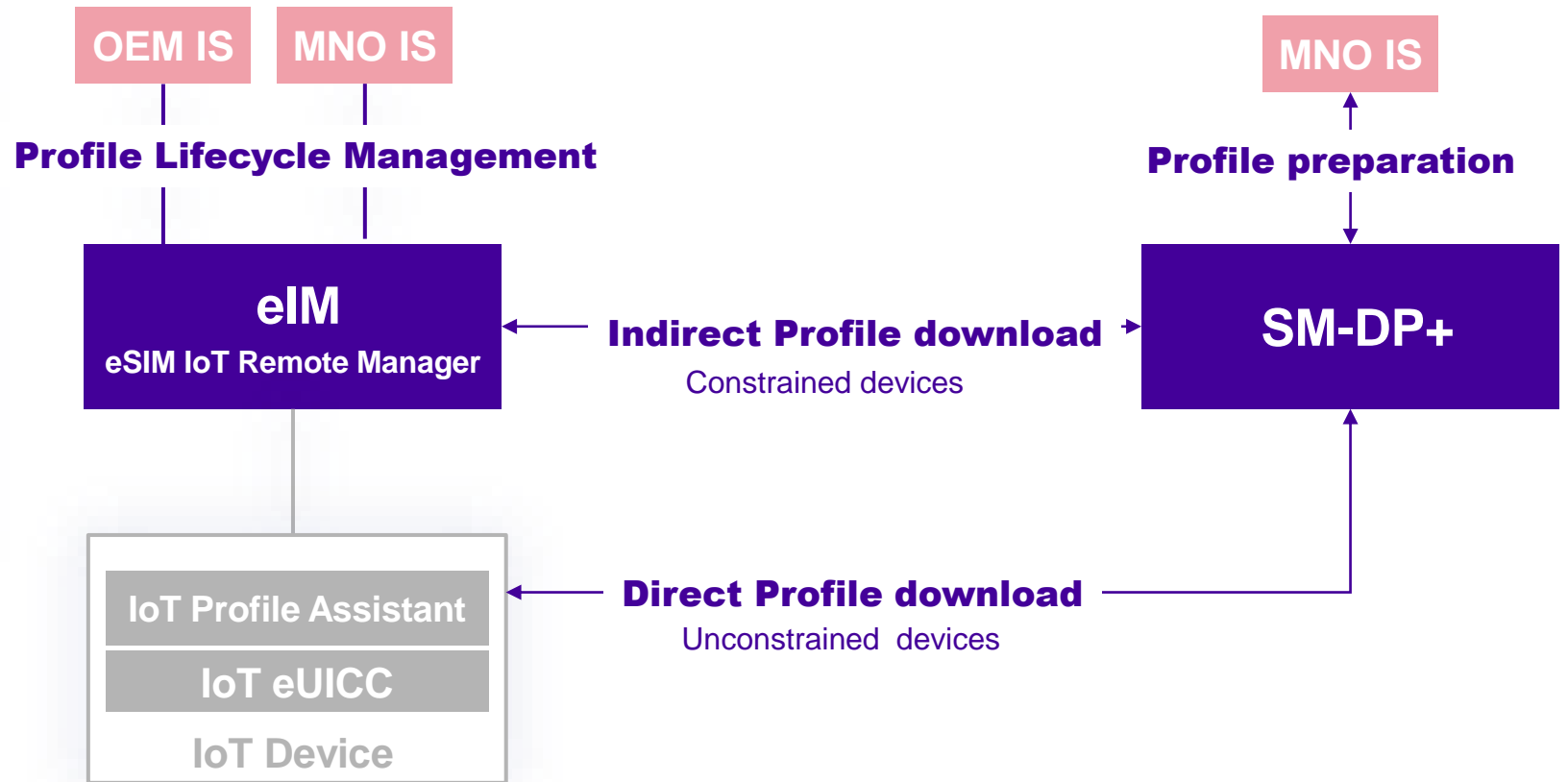
SGP.3x eSIM IOT ARCHITECTURE

SGP. 3x solution to simplify deployments

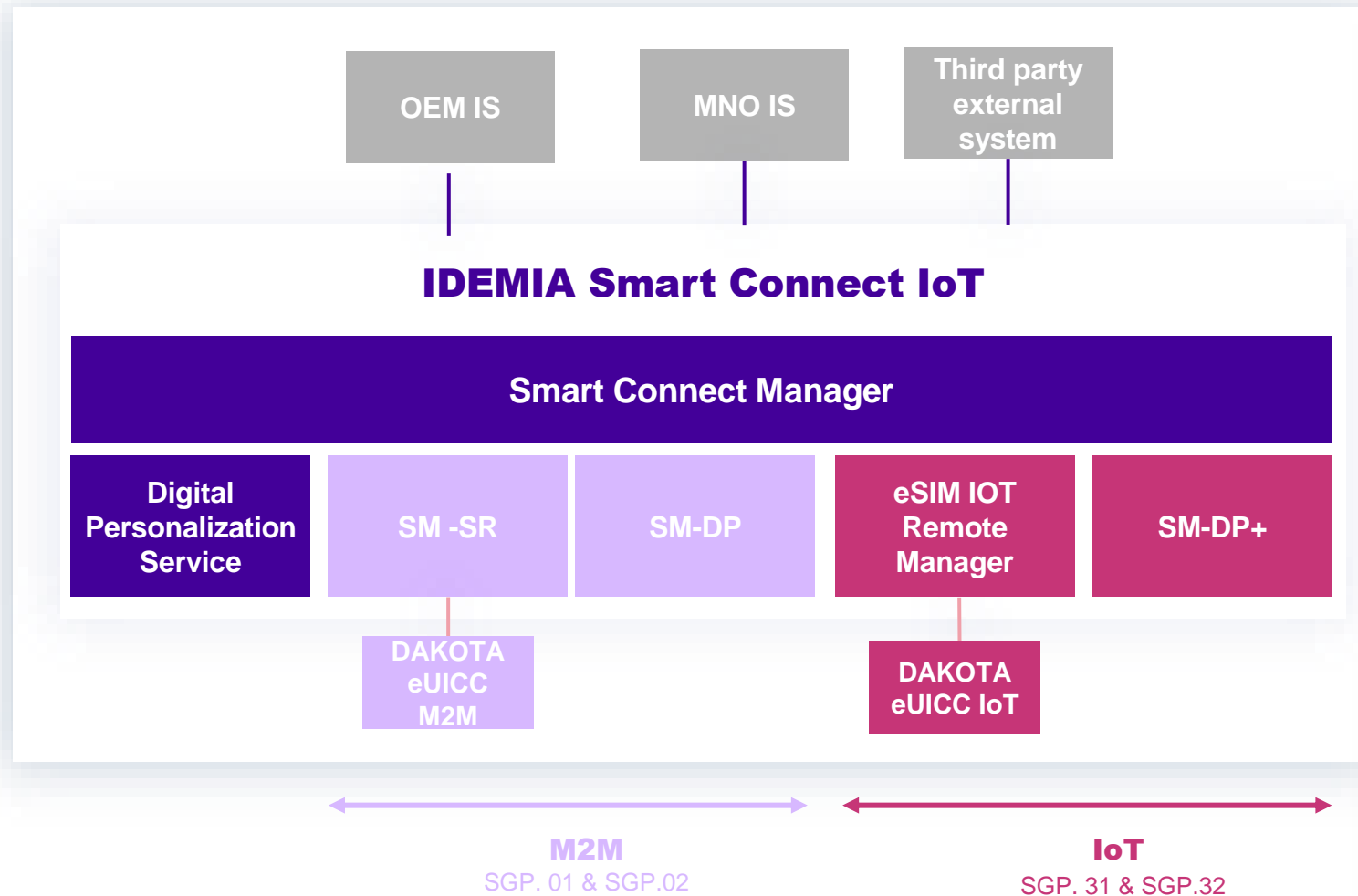
SGP. 3x Solution simplifies current M2M structure

Benefits

- › Provides a solution with specifications
- › Drastically simplifies current M2M eSIM Structure
- › Allows to re-utilize consumer eSIM elements (most Tier 1&2 now have eSIM consumer)
- › Extends reach of solution to new IoT markets



SMART CONNECT IoT PORTFOLIO



Key Components

Smart Connect Manager

- › Intelligently manages **connectivity workflows**
- › Eases **integration** and **abstracts complexities** by exposing multiple adapters (DPS, SM-SR, SM6DP, eIM, SM-DP+, Third party Connectivity Management Platform),
- › **Bridging the two platforms**: SM-DP/SM-SR and EIM/SM-DP+
- › **Coexistence** and **continuity of service**
- › Management of **all use cases and three specs** (M2M, new IoT, Consumer) through a single interface

Digital Personalization Service

- › **Digital factory** of eSIM Profiles
- › Just-in-Time profiles **generation**

PUBLIC CLOUD DEPLOYMENT




Deploying in the Cloud

An “always-on” approach to support your business growth

- › Higher levels of **availability**: up to 99,999%
- › More **resilience**: Geo-redundancy with a possibility to deploy locally
- › More **capacity** and **elasticity**
- › Best industry **security** systems on all aspects: **Confidentiality, Integrity, Availability**



GSMA SAS-SM accredited

- 
- › **Never miss an eSIM activation**, anytime, anywhere.
 - › Be ready to handle **high volumes** fueled by eSIM growth
 - › Be able to **handle activity or seasonal peaks** (devices moving, arriving at destination, new technology, massive campaigns, etc.)
 - › **Protect** your business from attacks and major disasters

KEY DIFFERENTIATORS SMART CONNECT M2M

A could ready, global and proven solution



Leading position
and worldwide footprint



Process orchestration and
easy integration



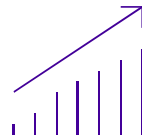
Massive campaign
management



Cloud ready
Fast time-to-market, high
availability and reliability,
predictable costs.



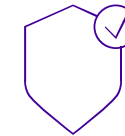
Interoperability
GSMA SGP.02 4.0, any
eUICC



Future proof,
Scalable, new use cases
and specifications (SGP.31)



Complete solution
with Dakota eUICC, OTA
IoT



Secure & certified
Hosted in GSMA SAS-SM
certified data centers

IDEMIA'S M2M FOOTPRINT



Serving clients in
180 countries

Trusted by
500 MNOs

210+
eSIM platforms deployed

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