

m2m Enabling Platform



m2m Management at its best

m2m projects for „connected devices“ are different to traditional voice based solutions. Most requested demands of m2m customers are:

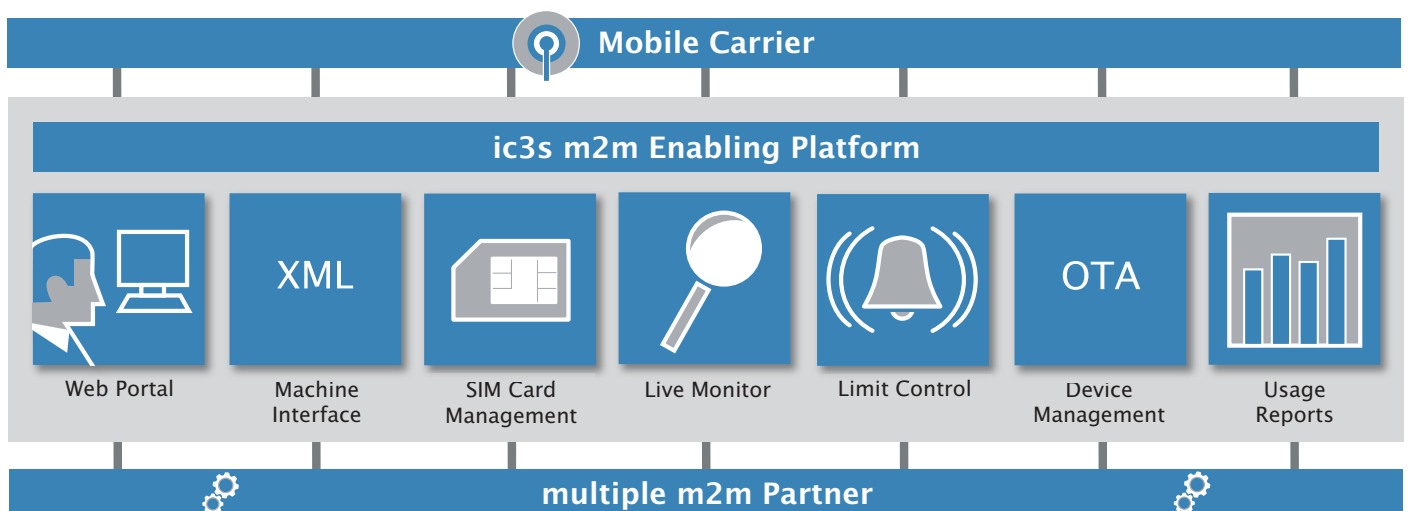
- new business models
- high tariff flexibility
- easy access interfaces
- strict cost control
- quick reaction times

Based on more than 5 years of experience in the m2m business, ic3s provides a m2m platform that enables a mobile carrier to meet the challenges of this rapidly growing area of mobile business.

After typically 3-6 months of integration into the carrier infrastructure, the live operation is ready to start.

Application ranges:

- Personal navigation devices
- Car and fleet management
- Smart grid and metering
- E-health systems
- Tracking devices (Find Fido)
- Home security devices
- E-reader and e-books
- Picture frames and cameras
- Remote monitoring systems
- And a lot of still unknown applications



2813PB00_ic3s M2M Enabling Platform V.1.02.doc

Simple search | Extended search | Direct input (list) | File upload

Provisioning Status: All

Activation state: activated

Service profile: mdex.SIM national vario

ICCID: ?

Show outputsettings ▶

Reset Start search

Found SIM									
No.	ICCID	MSISDN	IP Address	Alias name	Status	Confirmed	Online	Data Vol.	Sessions
1	8949020000056206	49151534	172.22.29.139	control	activated	Yes	Online	0 KB	1
2	8949020000056206	49151534	172.22.29.132	control	activated	Yes	Online	447 KB	2
3	8949020000056206	49151534	172.22.29.140	control	activated	Yes	Online	110 KB	2
4	8949020000056206	49151534	172.22.29.154	control	activated	Yes	Online	3 KB	2
5	8949020000056206	49151534	172.22.29.156	control	activated	Yes	Offline	0 KB	1
6	8949020000056206	49151534	172.22.29.155	control	activated	Yes	Online	8390 KB	1

Picture: Extract of the SIM management view

Basic features

- Online portal for bulk and single SIM card administration (activate, cancel, resume, change tariff and more)
- Online/offline monitoring with detailed traffic reporting based on live RADIUS data
- Multistage limit alarm on threshold exceeding
- Automatic access barring or tariff change on defined trigger points
- OTA device configuration and management functions (optional)
- Individual generation of billing records (CDR) for carriers billing system (optional)
- Document center for invoice and ICC-Id download
- Electronic XML interface (https) for remote control of nearly all functions
- Multilevel user administration with individual access rights
- Multitenant user groups for multistage business models

- Email notification and alarming
- Graphical and CSV reporting tools (high spender, fraud, history and more statistics)

Service Level

- Step 1: Operation at the carrier grade ic3s datacenters with SLA Platinum incl. 24/7 support and defined reaction and escalation times (ITIL V3)
- Step 2 (optional): Integration into the datacenter of the mobile carrier, incl. training and babysitting phase and consecutively 2nd level support

References

- ic3s operates since more than 13 years SMS, mobile payment and m2m solutions for multiple carrier and MVNOs, e.g. T-Mobile, Vodafone, E-plus, O2, Freenet, The Phone House etc.

Subject to technical modifications and amendments