eMcREY
EMPOWER | CREATE | EVOLVE

APEX IoT ENTERPRISE

Connecting customers with real-time solutions

Smart devices and appliances will have a major impact on consumer habits and make remote customer management a reality. APEX IoT creates opportunities for utilities to dramatically upgrade their business model by taking advantage of the ability to communicate with in-home technology in real-time.

It features a rich set of functions that optimize energy consumption and increase comfort for the householder, while assisting suppliers to achieve a better supply-demand balance.

Apex IoT acts as a bridge between the utility company's communication system and the internet-enabled technology inside the house, creating a unique, efficient and highly cost-effective energy management solution which improves customer satisfaction and contributes to sustainable energy consumption.

Key Features

- Gateway functions including secure data communication routing between WAN and HAN, first-line authorisation and updating IoT device information

- Customer configuration of Gateway and in-home IoTs using templates from energy supplier

- Management of IoT connected devices

- Connection with energy supplier or other entity to receive and process commands and price schedules and send requested information

- Mobile device services for remote control of system

- Energy Management functions including optimization calculations to find the optimum settings for energy saving and home comfort taking account of weather forecast

- Extensive cybersecurity, including encryption and authentication

Empowering Evolution

- Single point of access contains cybersecurity risks and makes them easier to manage, alleviating distrust of new technologies which may be perceived as invasive

- Provides a real-world application for IoT technology which has the potential to be a game-changing development for energy companies who can offer new services to their customers

- Addresses fears about cybersecurity by incorporating a broad range of advanced risk prevention and management tools for highly secured connections from inside or outside the premises

- Gives power system operators increased control over demand, with the ability to make changes dynamically through load shaving, price management, frequency regulation and voltage support

- Increases the reliability of the energy grid and removes the requirement for substantial infrastructure, while reducing the use of polluting energy sources

- Big data analysis informs enhancements to service quality and helps reduce costs

Technical Essentials

- Provides a unified interface between networks and devices which use a range of different communications protocols, simplifying implementation

- Wide-ranging security features including encryption, intrusion detection, blocking of untrusted devices and a variety of authentication mechanisms including keys, certificates and signatures

- Energy consumption information can be remotely accessed and usage managed from mobile devices

- Supports Entrust's latest technology, IOTrust, for secure device identity management

- Highly safe and reliable ecosystem all along the value chain

APEX SUITE

World-class products to maximise business success

The APEX Advantage

The Apex Suite of software products from eMcREY is designed to address the specific requirements of local and regional markets by complementing the best-in-class products and solutions we implement from our major global partners. Apex products allow our clients to maximise business opportunities and operational advantages by providing the precise functionality they need to stay competitive, customer-focused and compliant.

APEX APS	APEX FRAMEWORK	APEX MOBILE SERVICES PLATFORM
APEX CARDPLUS	APEX FRAUD	APEX OPEN WALLET
APEX CMS	APEX GREEN	APEX PAYMENT SYSTEM
APEX COLLECTION	APEX INVENTORY	APEX PIN MANAGER
APEX CREDIT+	APEX IoT ENTERPRISE	APEX RECONCILIATION
APEX CRYPTO	APEX ISSUANCE	APEX RISK, RULES & REPORTS
APEX DATA ANALYSIS PLATFORM	APEX ITSP	APEX SECURE
APEX DECENTRALIZED ONBOARDING	APEX ITSP CLIENT	APEX SOFTPOS
APEX ELIGIBILITY & SCORING	APEX ITSP PORTAL	APEX THS
APEX ENTERPRISE ONLINE PAYMENT	APEX KMS	APEX THS CLIENT
APEX FINANCE MANAGER	APEX LOYALTY	APEX TRANSIT
	APEX MERCHANT	