iamus

PRODUCTS AND SERVICES THAT ALLOW YOU TO LIVE YOUR FUTURE TODAY
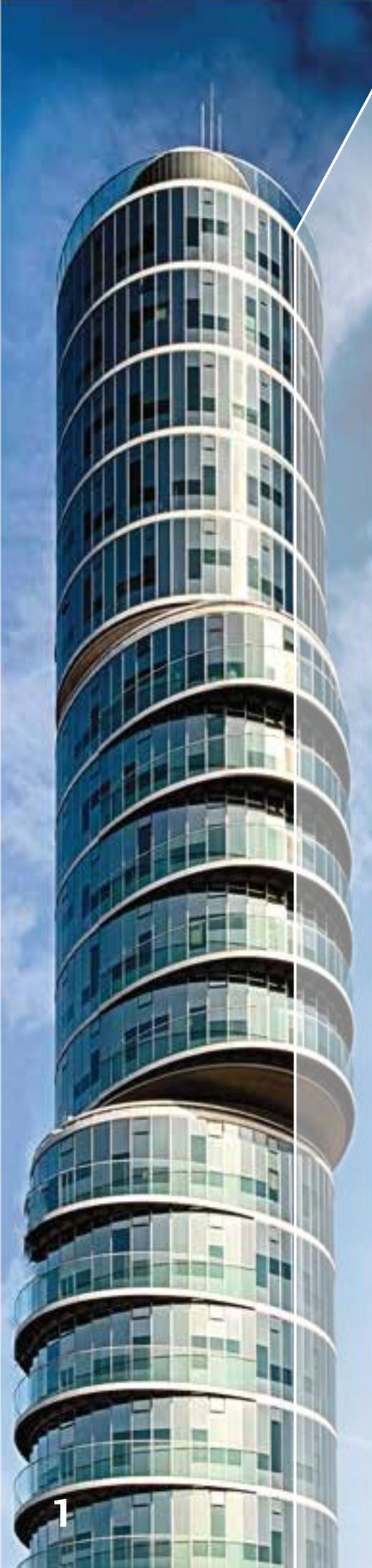
About us

Iamus is based in Klaipeda with offices in Munich and Singapore.

With its innovative business model for Internet of Things (IoT), developed in close collaboration with Intel and Dell, the company is a leader in the development and marketing of smart city and infrastructure projects.

The Iamus vision: to achieve global market leadership in strategic sectors such as Energy, Telecommunications, Real Estate/Facilities Management, Retailing and Manufacturing in the context of sound economics, and environmental and social sustainability.

Moreover, our product offerings under the trademark SmarterSpheres™ provide tools and templates to enable Smart City applications, reduce costs and positively impact the environment.

The core of these offerings lie in a secure and highly scalable Service Delivery Framework (SDF) and a wide range of Smart Lamp technologies designed to provide solutions for smart cities, retail, hotel, manufacturing and smart metering applications.

Having been awarded the distinction of 'Gold Winner' in the 'Dell Internet of Things Contest' in 2016, Iamus aims at capturing the explosively huge business opportunity related to "Internet of Things" and "Smart Cities", and to achieve best-in-class standing in the foreseeable future.
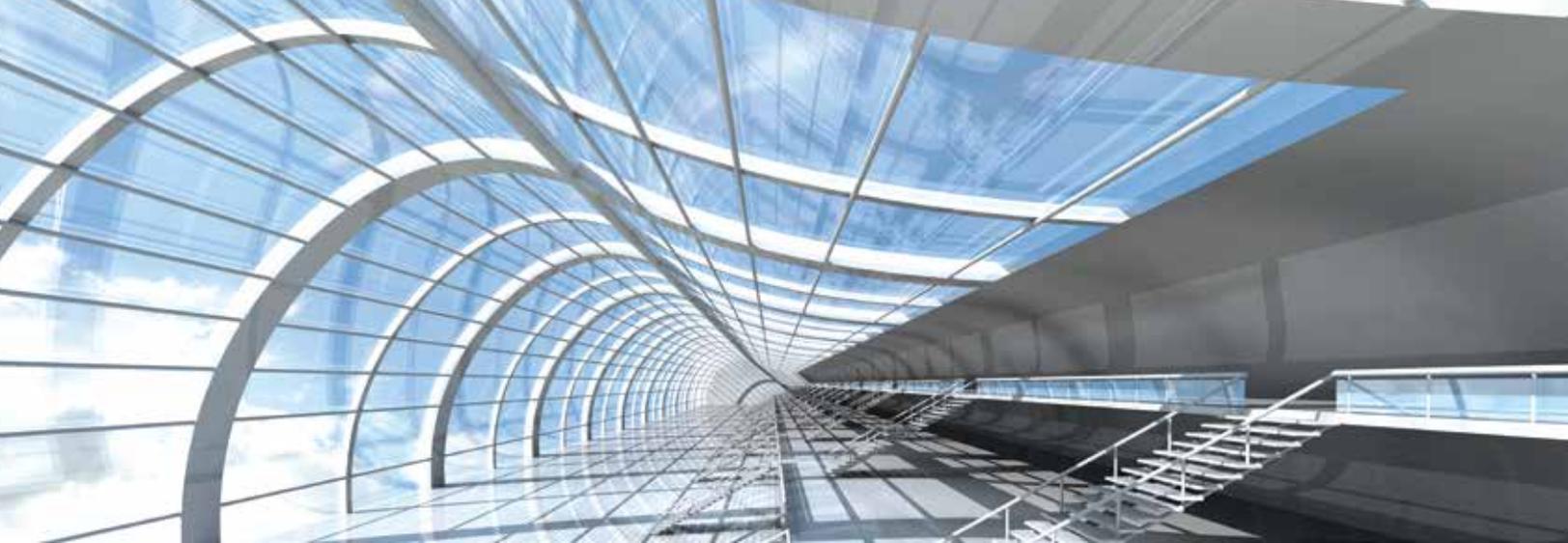
Our **Portfolio**

Edge to Cloud – the secure and highly scalable foundation for smart environments is a framework for the Internet of Things, optimized for the real estate and facilities management industry. Our Smart Edge Nodes, or Cloudlets, include a powerful protocol converter that supports the main industry standard protocols: wired, wireless and network access.

SmartIntegration
Service Delivery Framework (SDF) – uniquely integrates wired and wireless sensors, social networks, mobile and virtual worlds through a set of standard protocols. These provide an open, flexible, scalable and affordable platform for the creation of SmartSpheres that can be connected securely and globally.

SmartNodes
SmartLamps – take on various sizes and forms, including standalone Cloudlets, and can be installed in Streets, Parks, or Commercial Buildings. A Software Development Kit with complete programmatic access to the features of SmartNodes allows you to build your own SmartSpheres solution.

SmartSpheres
Industry Solution Blueprints – a set of tools and applications for Smart Cities, Retail, Hospitality, Manufacturing and Smart Metering that can transform regular operations of these differing areas into inter-connected ecosystems for commerce and social interaction.
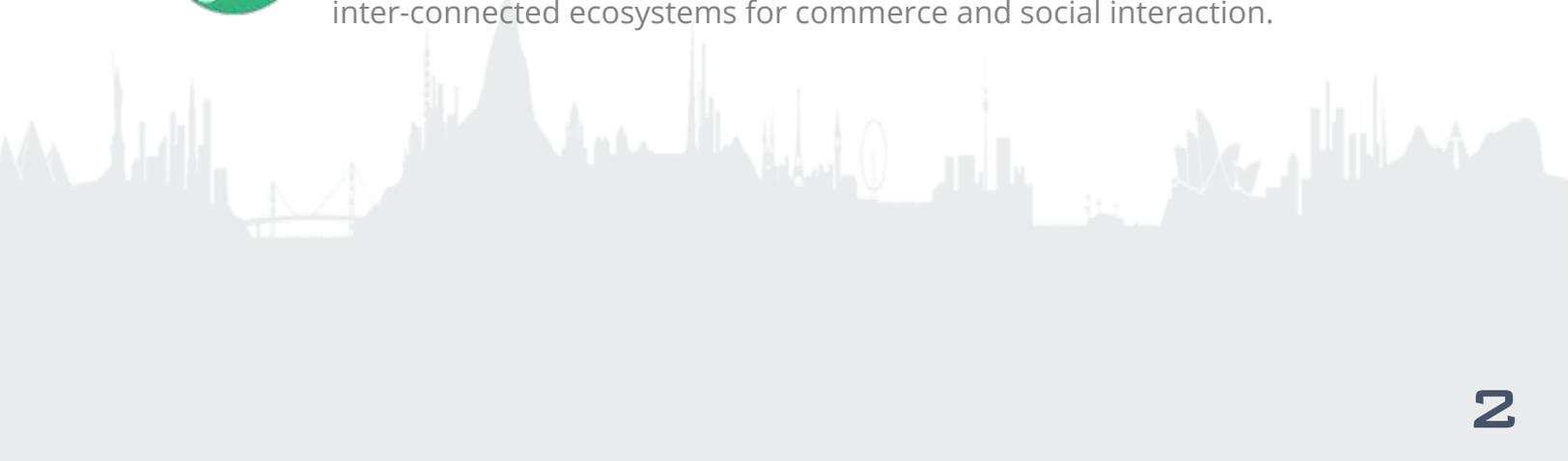
Smart City

Typical Use Cases:

▲ Infrastructure (Streetlights, Maintenance)
▲ Public Services & Safety (Infrastructure, Environmental Monitoring)
▲ Mobility (Intelligent Traffic Management, Parking Guidance Systems)
▲ Waste Management
▲ Cost Management
▲ Water & Energy Management
▲ Public Building Management
▲ Tourism

Retail

Typical Use Cases:

▲ Operational efficiency (Energy, Logistics)
▲ Retail analytics - Customer loyalty
▲ Inventory management/compliance
▲ Smart marketing / data
▲ Location based services
▲ Digital signage
▲ Customer experiences
▲ Personalized Environment
▲ Smart Building

Hospitality

Typical Use Cases:

▲ Automated Check-in / Checkout with Customer App
▲ Room set to guest preference (Temp, Light, TV, Music)
▲ Customer App
▲ Personalized Environment (Room service menu, VOIP, Hotel services)
▲ Health Profile for Dietary recommendations, Health Club
▲ Utilization Optimization (Floor by Floor activation)
▲ Complete integration to other hotel sub-systems
▲ Bundling of Maintenance Services
▲ Video Analytics for Security and Customer Statistics

SMARTSPHERES

Manufacturing

Typical Use Cases:

- Handling of goods from delivery to production to shipping
- Compliance management
- Inventory control
- Supervision of production processes and documentation
- Environmental control
- Asset location tracking
- Bundling of Maintenance Services
- Predictive Maintenance
- Remote Management

Smart Metering

Typical Use Cases:

- Discrepancy matching (consumption vs. generation)
- Manage usage of electricity on a daily basis
- Cost benefit analysis
- Simplify real-time data-capture and treal-time discounting feature
- Improve efficiency in grid operation
- Allow integration of power supply
- Accessing real-time views of utilities systems
- Greater efficiency in power generation

SMARTSPHERES

Customization

Clients' needs and requirements differ, and so do our solutions. Using tested, robust building blocks we tailor our solutions to meet specific client requirements.

Common platform

Our Solutions (SmartSpheres) are based on our Service Delivery Framework (SDF). Common hardware platforms and industry standards allow for rapid and scalable deployment.

Open standards-based

Delivering a fully connected solution means communicating across all protocols. The *Reference Design* works across protocols, using open standards, focusing on delivering the vision.
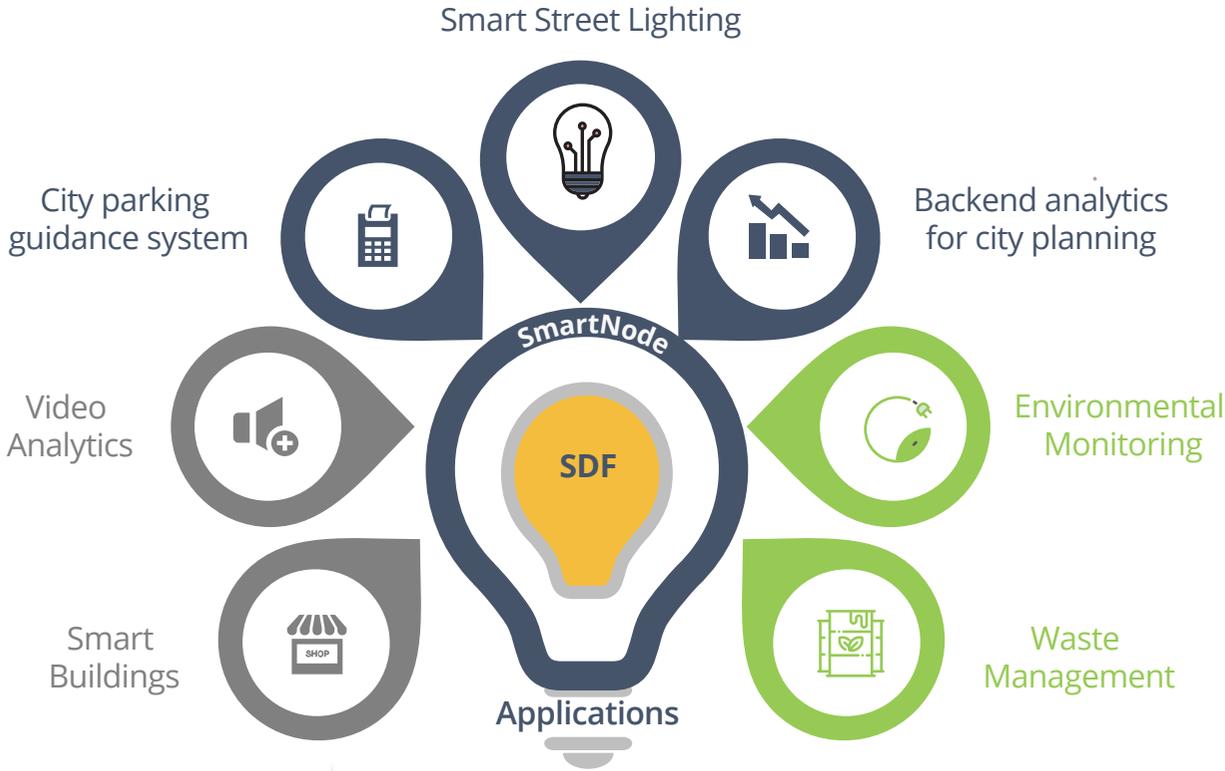
End-to-end solutions

Hardware, software, design and delivery – *Reference Design* provides everything required to deliver smart, interconnected spaces in any building, at any scale.

Service Delivery **Framework**

Integrating Devices & Appliances to Provide Connected Services:
Maintenance, security, health, energy, telephony media

The Iamus *Service Delivery Framework (SDF)* is a robust and secure, highly scalable cloud-based software platform. It collects, stores, analyses data and automates processes based on information from the Iamus SmartNode and other sources. It provides the foundation for smart inter-connectivity and control of environments, based on the core element.

Whatever the application - Retail, Hospitality, Manufacturing, Smart Metering or Smart Cities - the challenge is to get information to people who need it and provide them with easy to use tools to do what they have to do in real-time. The Iamus *Service Delivery Framework (SDF)* meet this challenge.

Smart Street Lighting

City parking guidance system

Backend analytics for city planning

Video Analytics

SmartNode

SDF

Environmental Monitoring

Smart Buildings

Applications

Waste Management

Service Delivery **Framework**

The ability to predict and quickly respond to market challenges will result in customer satisfaction—revenue growth while affecting speed-to-market and innovation. As infrastructure, maintenance and development costs rise and capacity challenges grow, organizations struggle to meet new user expectations. In today's dynamic business environment, consumer electronics companies must consider advanced cloud capabilities and business process innovation to achieve true value and gain competitive advantage.
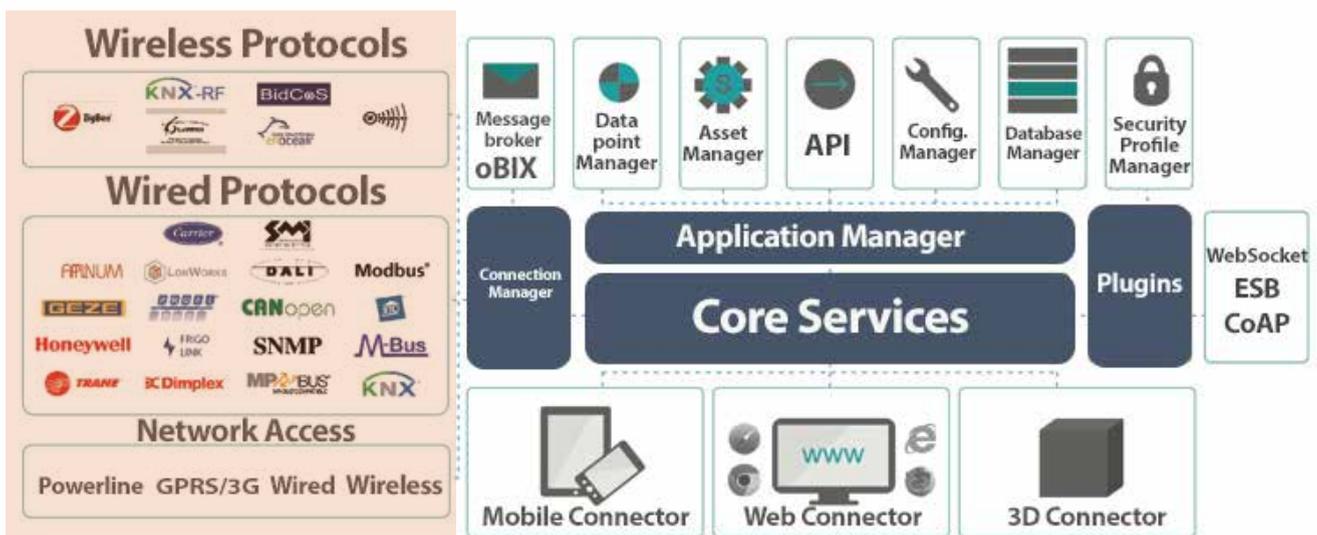
Service Delivery Framework (SDF) provides access to a fully integrated and scalable cloud-based infrastructure that helps you rapidly respond to market changes, drive innovation and build your enterprise while supporting bottom-line growth.

▲ *Service Delivery Framework Assets* (eg. Iamus *SmartNodes*): Manage, Control and Monitor while keeping an inventory of the devices in the field. Maintain their desired state to make sure they are always up to date and that the functions required are available and performing well.

▲ *Applications –* allowing to load and maintain the latest version of all applications on the Smartnodes. Allow access to the user profiles required.

▲ *Data –* capture and route the information to the desired recipients while applying rules or operations as defined.

SMART BUILDINGS ASSISTED LIVING
MICRO GENERATION
Cloud
SMART HOMES
DATA CENTRES
EQUIPMENT MANUFACTURERS
E-MOBILITY
TRADITIONAL GENERATION

iamus
Starter Kit

Iamus **SmartNode**

◢ **Iamus solutions are built on our unique device**, the Iamus SmartNode, which runs on Intel® Gateway Solutions for the Internet of Things. It is the basic building block that makes smart technology a reality, connecting and controlling building automation systems, household appliances and mobile environments.

◢ **Standalone, to fully networked, Service Gateway –** depending on the nature of the deployment, the Iamus SmartNode can operate in two modes: Standalone; or as Building Service Gateway (or SmartNode if used in combination with our Service Delivery Framework (SDF)). In Gateway mode the Iamus SmartNode acts as a local extension to our Cloud based Service Delivery Framework (SDF). It can also act as a safeguard should problems occur with external network access.

◢ **Set up and ready to go** – the Iamus SmartNode is configured for each solution, with a range of standard templates available to reduce time to market and make use of industry best-practices.

The Iamus SmartNode, running on Intel® Gateway Solutions for the Internet of Things, forms the heart of a modular range of devices that can be personalized to each solution. It connects to our cloud-based Service Delivery Framework (SDF), making a wide range of applications and services available for building monitoring, analysis, automation and control.

A Selection of
Target **Audience**

◢ Facilities Management Companies
Offer your clients a complete solution to manage multiple properties from a central location complete with an Energy Dashboard, powerful analytics and visualization tools, or you can build your own applications using the Iamus Service Framework.

◢ Energy Service Companies
Take advantage of our simple and modular kits to collect real time interval consumption data, perform sub-metering up to individual pieces of equipment. Then use our powerful visualization tools and analytics to help identify opportunities for energy optimization and to make the right decisions to reduce energy usage for your customers.

◢ Telcos and Cable TV Operators
Offer new and exciting solutions with the reference design to integrate voice, cable TV, telephony, broadband, home security, energy management, media and telemedicine through one single access point.

◢ Utility Companies
Help your customers become energy smart with our Smart Metering solution that not only allows customers to visualize and manage their energy usage but also allows you to collect interval consumption data, implement demand based pricing, and control non-essential house-hold energy appliances for the purpose of optimizing and managing your energy assets.
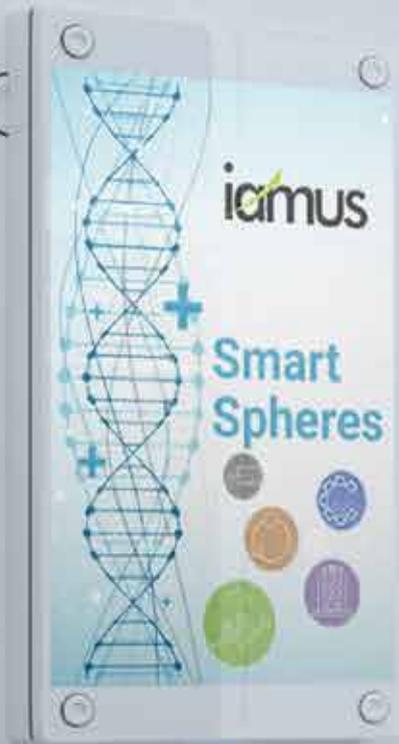
ENABLING THE
INTERNET OF THINGS
www.iamus.net

iamus

Embrace the future. Now

Tiltų Gatvė 16,
91246 Klaipeda, Lithuania
Phone: +370 464 733 03
Email: info@iamus.net

Stollbergstraße 22,
80539 München, Germany
Phone: +49 899 8999999
Email: infode@iamus.net