

GLOBAL **EDGE**

Intelligence Of Things™



**Making Connectivity  
Scalable And Reliable!**

**NETWORKING**

The explosion of mobile devices and content, server virtualization, and advent of cloud services are among the trends driving the networking industry to re-examine traditional network architectures.

At GlobalEdge, we have been working on developing Networking Technologies and Solutions for customers. Our Certified PacketCable solution which is used for VoIP over Cable networks is deployed in Set Top Box solutions around the world. Our deep expertise in VoIP Protocols like MGCP SIP and IMS have made us the go to company for garnering services in these technologies.



SDN is a disruptive technology that transform the current thinking on networking. The SDN architecture purporting to be dynamic, manageable, cost-effective, and adaptable, seeks to be suitable for the high-bandwidth, dynamic nature of today's applications.

Network Functions Virtualization (NFV) aims to consolidate many network equipment types onto industry standard high volume servers, switches and storage. It involves implementing network functions in software that can run on a range of industry standard server hardware, that can be moved to, or instantiated in, various locations in the network as required, without the need to install new equipment.

### **What Sets Us Apart:**

- Unparalleled expertise in the development, enhancement, testing and integration of the latest Network Function Virtualization (NFV), Software Defined Networking (SDN) Datacom (Routing/Switching), and Cloud Technologies
- A comprehensive suite of offerings to address the entire spectrum of engineering requirements of silicon vendors, communications equipment and network equipment providers and VNF Vendors
- Deep domain expertise that has, over the years, translated into successful customer deliveries, a range of demo-able proof of concepts/prototypes and solutions developed in-house.

## OUR OFFERINGS

Our wide range of services and solutions are primarily aimed at enabling seamless convergence of legacy and new-age, hardware and software, on-premise and on-cloud, and enterprise and consumer.

### Network Function Virtualization (NFV)

- NFV Test Offerings
  - VNF Testing for Load, Stress and High Availability
  - Service Function Chaining Verification
  - NFVI Testing
  - Performance & Load Testing
  - Data Path Verification
- NFV Development Offerings
  - PNF to VNF Conversion
  - VNF Development, Orchestration & Integration
  - Virtualization of CPE (SmallCell, Enterprise Wi-Fi, etc.)
  - Virtualization of EPC & IMS
  - Service Function Chaining
  - Customization & Integration of OPNFV

### SDN Offerings

- SDN Test Offerings
  - Automation Test Framework for SDN Agent/Switch
  - Compliance Verification of OpenFlow Standards
  - Interoperability Testing with different Controllers like ODL, ONOS, Ryu, FloodLight, etc.
  - Testing of Controller NB & SB Interfaces
  - Data Path Performance Verification
- SDN Development Offerings
  - OpenFlow Agent Development, Porting & Enhancement
  - Development of Data Path Enhancement Applications using ODP, Intel DPDK
  - Customization of OVS (Open vSwitch) for NFV Environment
  - Porting & Customization of Network Operating Systems like ONL, ONIE, etc.

## **Datacom (Routing/ Switching) Sustenance/Maintenance and Testing**

- Customization and Maintenance of Routing / Switching Platforms
- Residential Gateway Home Networking Solutions
- Integration & Enablement of multi-WAN (LTE, LAN, etc.) Interfaces
- OpenWRT Based Residential, SOHO, Mobile Gateway Solutions
- L2/L3 Protocol Verification & Automation Testing

## **Home Automation (IoT)**

- Cloud Integration of IoT Devices and Home Appliances
- Management, Monitoring and Control of IoT Devices (Home Appliances)
- Smart Home Applications
- Enable Communication between IoT Devices and Gateways

## **Device Management and Monitoring**

- Security, Provisioning, Configuration & Remote Management of CPE Devices
- IoT Device Management and Monitoring (LWM2M, OneM2M)
- Web based Configuration and Management of CPE Solutions / IoT Devices

## **VoIP Solutions Porting, Enhancements, Sustenance and Testing**

- DECT Cordless Telephony DECT Solutions
- ATA Solutions
- Voice, Video Telephony CPE Solutions and IP PBX
- Unified Communication (Fixed Mobile Convergence)
- Media Engine Integration
- PacketCable™ 1.5 and PacketCable™ 2.0 for IP Set Top Box and Home Gateways

We would love to meet you and understand your business challenges and showcase our capabilities. For a free demo, please contact us at:

**Phone No.** : +91 80 7100 6677

**Email Address** : [sales@globaledgesoft.com](mailto:sales@globaledgesoft.com)

## **About GlobalEdge**

GlobalEdge is a product engineering company creating intelligence in things for a new connected world. With a vision to be a leading technology company, transforming the embedded world with innovative solutions and services, we are a partner from innovation to implementation. We are focused on designing the behavior of devices using reusable solutions and components and addressing business challenges in Automotive, Consumer Electronics, Industrial Automation and Semiconductor industries through a combination of platform, wireless, connectivity, and cloud solutions. With a wide range of expertise in delivering solutions from 'Chip-to-Cloud', and in a world of connected things, we also deliver solutions that are specific to the Internet of Things. Our in-depth experience in platform play, multimedia, connectivity, and cloud solutions makes us a perfect fit as an IoT partner to global enterprises.