



## Case study: Real-time mobile traffic insight

### Challenge

A Mobile Network Operator (MNO) with more than 400 million subscribers worldwide needed to monitor and analyze network and service usage in real time in order to:

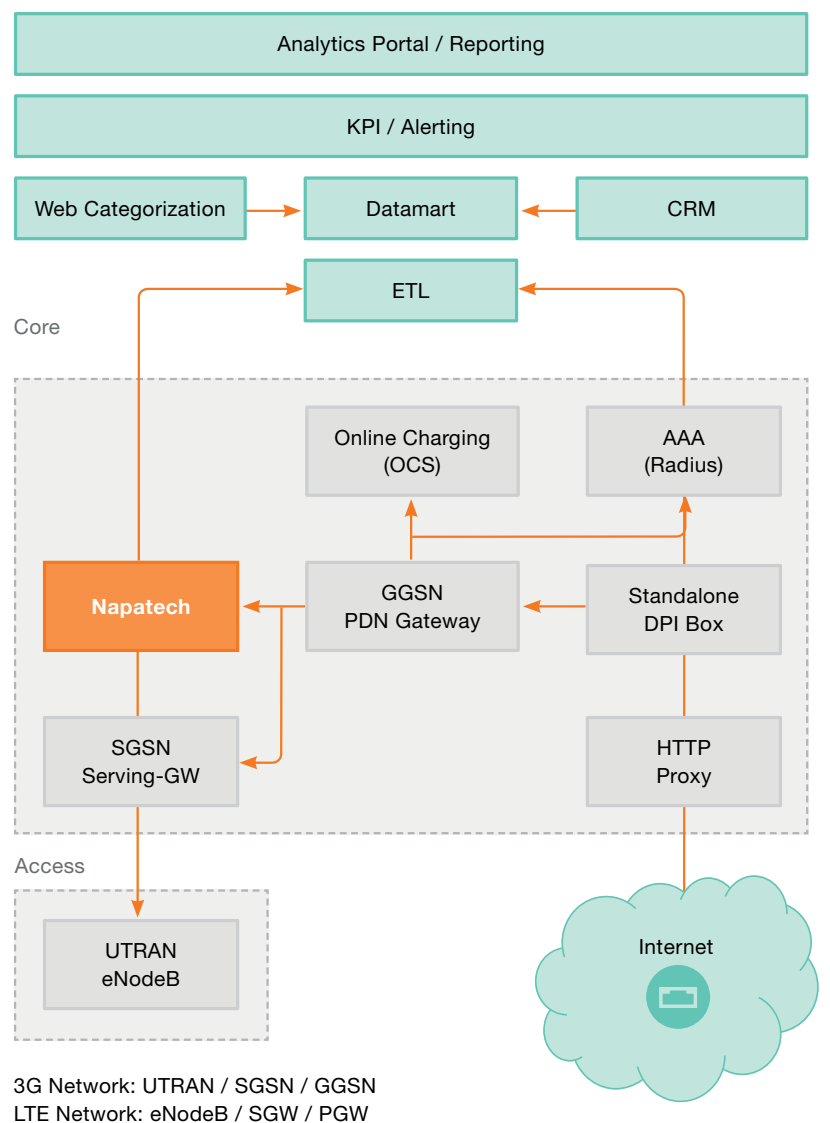
- Handle explosive growth in data traffic on their networks
- Understand subscriber needs and guarantee Quality of Experience (QoE)
- Monetize their infrastructure according to new usage trends

### Solution

A telecom equipment manufacturer helped the MNO implement a metadata-based Deep Packet Inspection (DPI) solution. The solution was powered by Napatech FPGA-based SmartNICs in a standard server to minimize deployment time and costs.

### Benefits

With this solution, the MNO was able to gain detailed real-time insight into what services subscribers used and how, enabling them to optimize their infrastructure and tailor services. This greatly lifted customer QoE and loyalty and enabled them to monetize their network more effectively.



### **Napatech in brief**

Napatech helps companies to reimagine their business, by bringing hyper-scale computing benefits to IT organizations of every size. We enhance open and standard virtualized servers to boost innovation and release valuable computing resources that improve services and increase revenue.

Our Reconfigurable Computing Platform™ is based on a broad set of FPGA software for leading IT compute, network and security applications that are supported on a wide array of FPGA hardware designs.

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