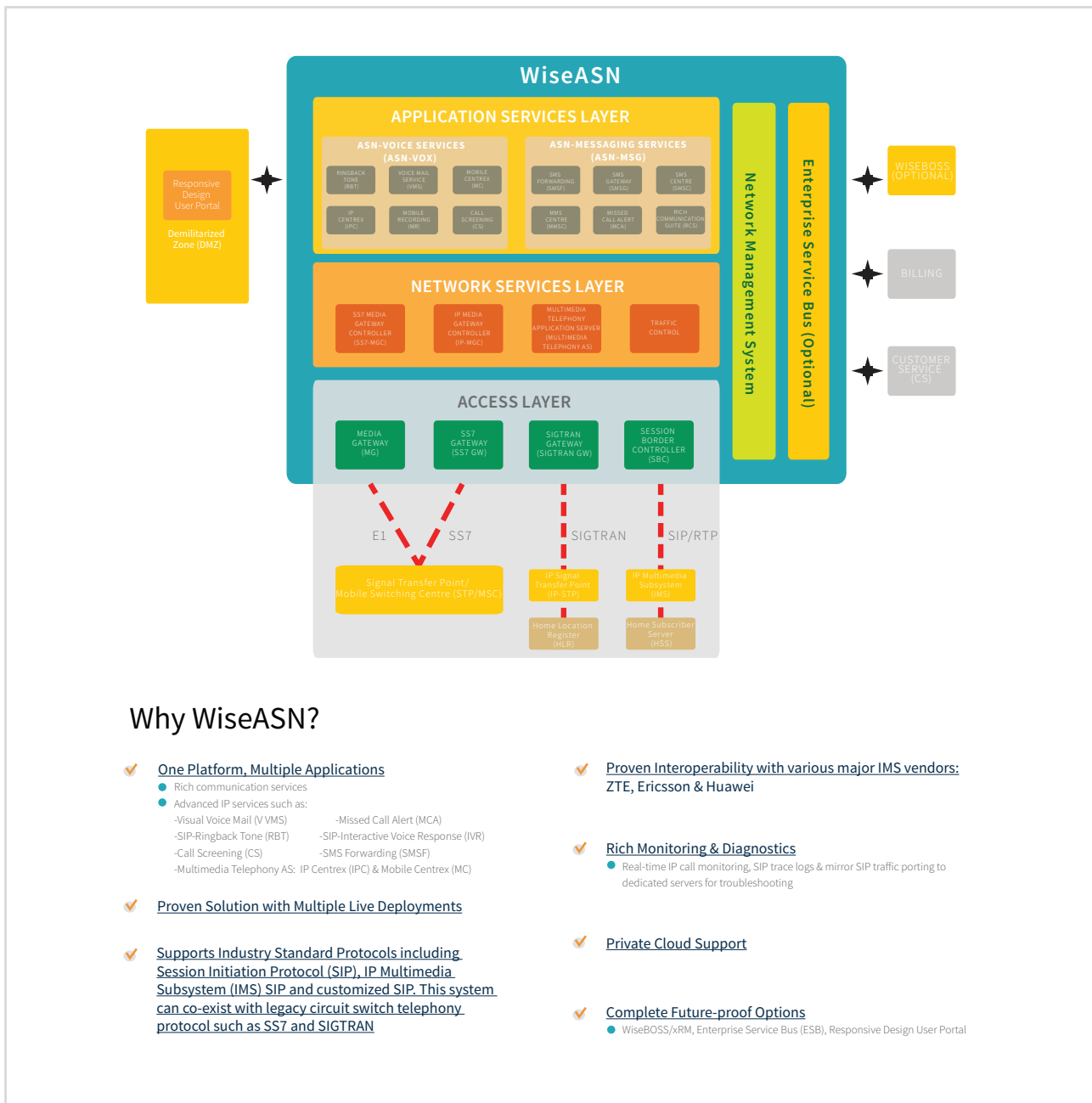




WiseASN

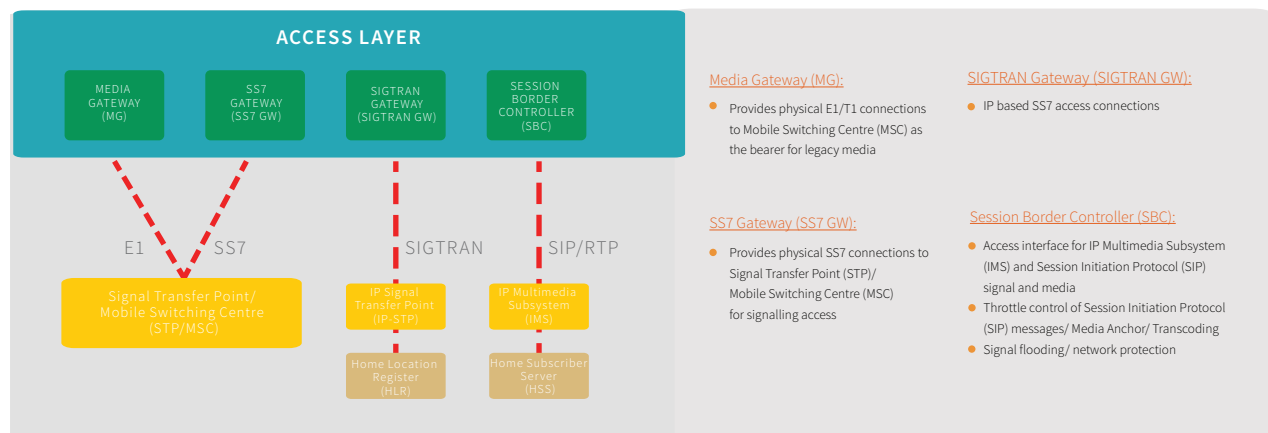
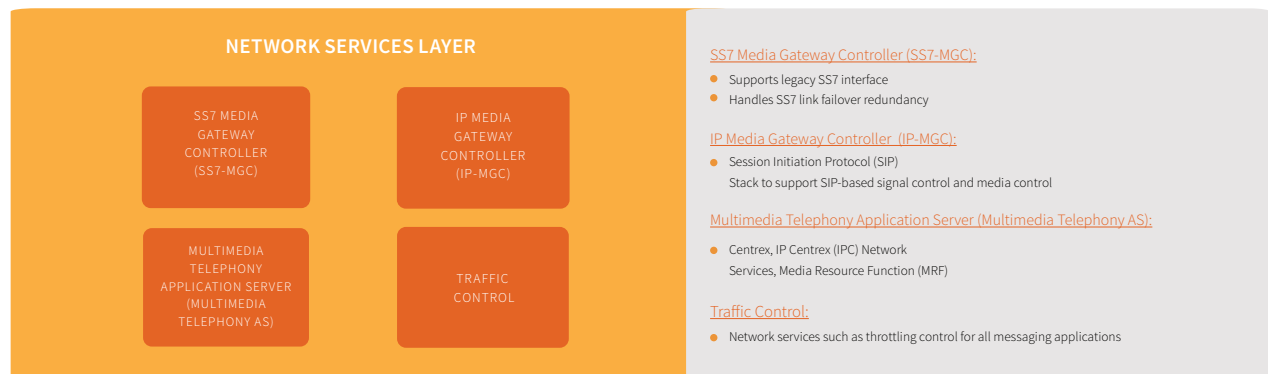
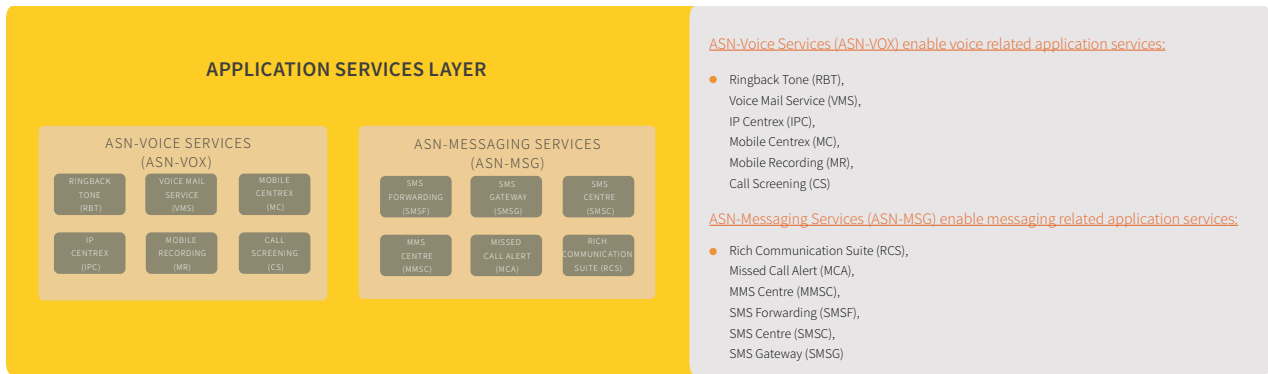
WiseSpot's WiseASN is a standard compliance, IMS-based application server system that helps telecom service providers create advanced multimedia telephony services for IP Multimedia Subsystem(IMS) LTE, and backward compatible to 3G and 2G networks.



Why WiseASN?

- ✓ **One Platform, Multiple Applications**
 - Rich communication services
 - Advanced IP services such as:
 - Visual Voice Mail (VMS)
 - SIP-Ringback Tone (RBT)
 - Call Screening (CS)
 - Multimedia Telephony AS: IP Centrex (IPC) & Mobile Centrex (MC)
 - Missed Call Alert (MCA)
 - SIP-Interactive Voice Response (IVR)
 - SMS Forwarding (SMSF)
- ✓ **Proven Solution with Multiple Live Deployments**
- ✓ **Supports Industry Standard Protocols including Session Initiation Protocol (SIP), IP Multimedia Subsystem (IMS) SIP and customized SIP. This system can co-exist with legacy circuit switch telephony protocol such as SS7 and SIGTRAN**
- ✓ **Proven Interoperability with various major IMS vendors: ZTE, Ericsson & Huawei**
- ✓ **Rich Monitoring & Diagnostics**
 - Real-time IP call monitoring, SIP trace logs & mirror SIP traffic porting to dedicated servers for troubleshooting
- ✓ **Private Cloud Support**
- ✓ **Complete Future-proof Options**
 - WiseBOSS/xRM, Enterprise Service Bus (ESB), Responsive Design User Portal

WiseASN Solution Architecture



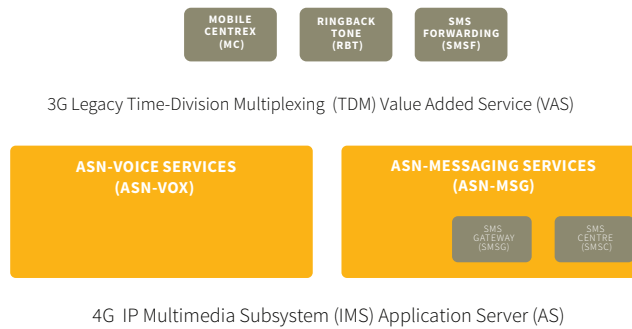
Case Study: From 3G Legacy to 4G VoLTE

Scenario: An operator wishes to migrate their 3G Voice, Messaging & Value-added Service (VAS) services to become IP Multimedia Subsystem (IMS) Voice over LTE (VoLTE) ready

Deployment Strategy:
a 3-Phase and 2-Stream approach

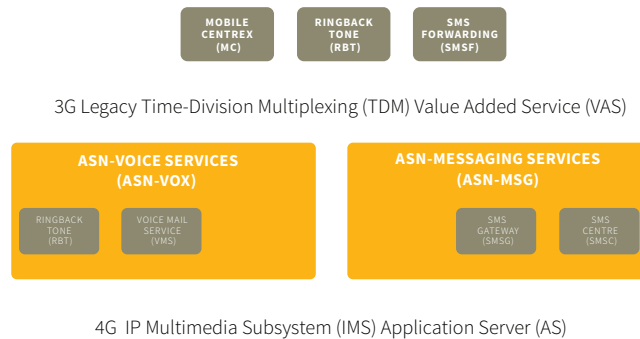
PHASE 1

EXISTING DEPLOYMENT



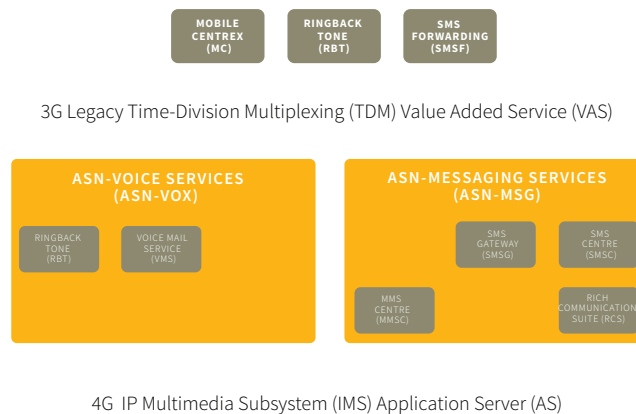
STREAM ASN-VOICE SERVICES

- Deployment of Voice Mail Service (VMS)/ Ringback Tone Application Server (RBT AS)
- 3G and 4G Ringback Tone (RBT) co-exist



STREAM ASN-MESSAGING SERVICES

- Deployment of Rich Communication Suite (RCS)/ Multimedia Messaging Service Centre (MMSC)



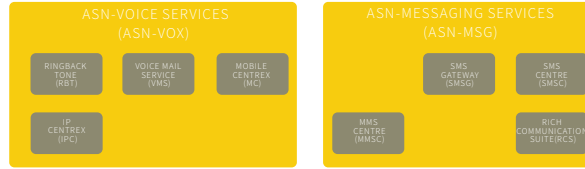
PHASE 2

STREAM ASN-VOICE SERVICES

- Deployment of IP Centrex (IPC) / Mobile Centrex (MC) Application Server (AS)



3G Legacy Time-Division Multiplexing (TDM) Value Added Service (VAS)



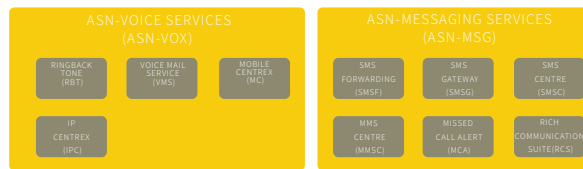
4G IP Multimedia Subsystem (IMS) Application Server (AS)

STREAM ASN-MESSAGING SERVICES

- Deployment of Missed Call Alert (MCA)/ SMS Forwarding (SMSF)



3G Legacy Time-Division Multiplexing (TDM) Value Added Service (VAS)



4G IP Multimedia Subsystem (IMS) Application Server (AS)

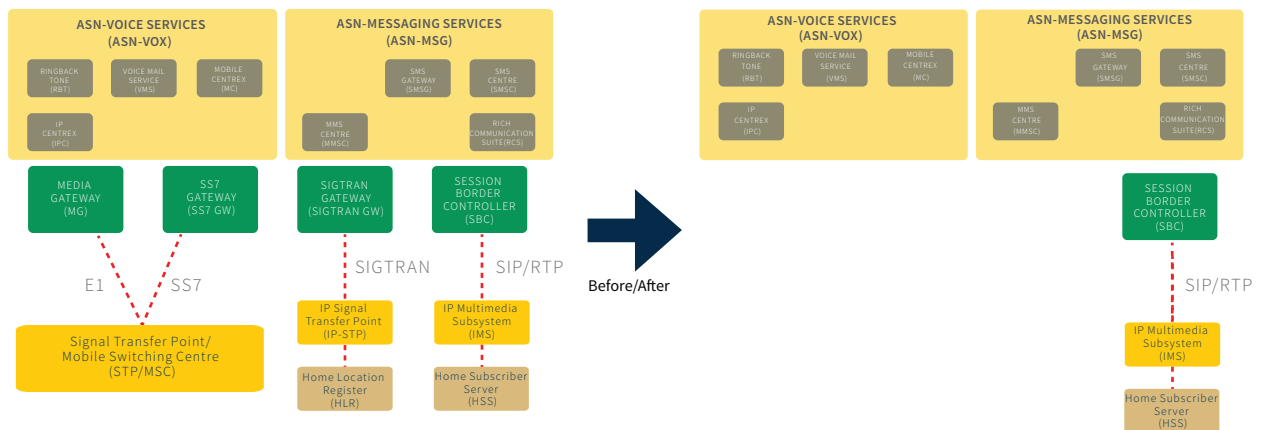
PHASE 3

RETIREMENT OF 3G VALUE ADDED SERVICE (VAS)

- All traffic should be going through the 4G IP Multimedia Subsystem (IMS)
- SS7 interface, so 3G can retire from the system

4G IP Multimedia Subsystem (IMS) Application Server (AS)

4G IP Multimedia Subsystem (IMS) Application Server (AS)



Why WiseSpot?

Headquartered in Hong Kong since 2001, WiseSpot Company Limited has become a leading developer of telecom solutions and system integrator with over 100 live installations covered by the 7x24x4 on-site support, spanning Greater China, Singapore, Australia, UK and USA. In addition to our dedicated product development center in Shenzhen and a full-service regional office in Taipei, we are a team that is well versed in the latest fixed, mobile and IP data technologies. Backed by an international network of best-in-class technology partners, we have a proven track record of successful implementation into live production networks with minimal risk of service interruption. Our experience ensures that the final solution ultimately installed is of uncompromising quality and meets both the business, technical and budgetary objectives.