

Polkomtel (Plus) Case Study

Evolution to All-IP

Business Objective

Reduce the costs and stimulate innovation by accelerating the evolution of their network and service layer to All-IP.

The Challenges

- **Enable GSM users to access new IP hosted services** despite there being no standards based solution to support this
- **Enable IP connected users to use profitable IN services** without incurring high costs and long delays through re-creating duplicate services within the IMS domain
- **Avoid the risk of investing in a solution that may become redundant** once transition to All-IP has been completed

The Solution

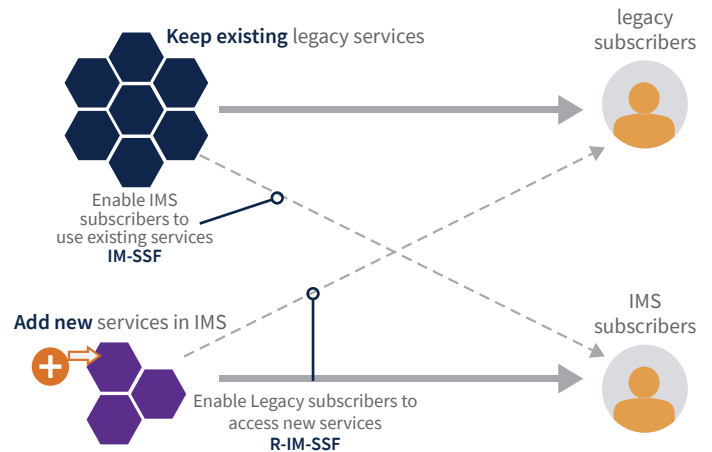
Converged Service Layer using IM-SSF and Reverse IM-SSF — Single Ip Centril Service Layer with cross-connections between IP and GSM network domains

Key Points

- Isolates the service layer from the network, enabling incremental change of underlying systems whilst continuing to provide a common user experience
- Enables IMS users to access the full suite of IN services
- New services within the IMS domain can be extended to GSM and IMS users

Solution Benefits

- **Shortens evolution to All-IP** as it removes any need to re-engineer and/or recreate existing IN applications
- **Can prepay enable new IP services** without needing to invest in new charging platforms
- **Avoids the costs and overheads of modifying closed, key 3rd party applications** if wishing to make these available to IP users



Service-layer evolution decoupled from subscriber migration

Net Results

- **Multi-million dollar cost savings** by eliminating the need to recreate a duplicate set of services for IMS users, saving many years of project time in the evolution to All-IP
- **Potential for increasing GSM service revenues** through leveraging service innovation from deploying off the shelf IP applications or those created in-house
- **Flexible platform** provides a cleaner signalling architecture, simplifying the management of complex services
- **Service Brokering capabilities** shorten the time taken to create new services by being able to compose these from existing services
- **Easier and quicker to change service interaction** with underlying networks

About Polkomtel (Plus)

Founded in 1995, Polkomtel (Plus) is now the 3rd largest mobile operator with 14m subscribers and the first one to offer LTE. Polkomtel (Plus) holds 25% market share. The population of Poland is 38.5 million.