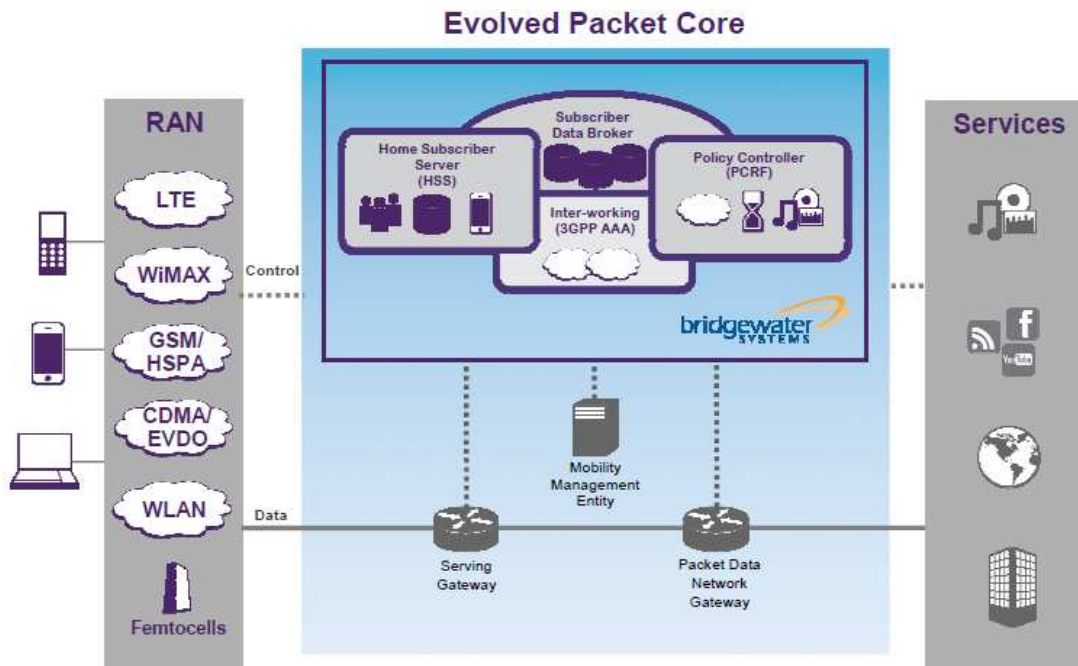


# Bridgewater in LTE Evolved Packet Core



## The Evolved Packet Core has four main components:

The **Mobility Management Entity (MME)** which performs mobility and session management functions. It also manages complex features such as resource allocation and bearer control for multiple nodes and gateways.

The **Serving Gateway (SGW)** which routes data packets from the access network;

The **Packet Data Network Gateway (PGW)** which acts as the on-ramp and off-ramp to the Internet and other IP networks; and

The **Home Subscriber Server (HSS), Policy Controller (PCRF) and Inter-working (3GPP AAA) functions** which together form the central control point and include the main repository for subscriber and device information, provide authentication and authorization functions; apply policies to manage network resources, applications, devices, and subscribers; and perform inter-working with non-3GPP networks such as CDMA and WLAN.