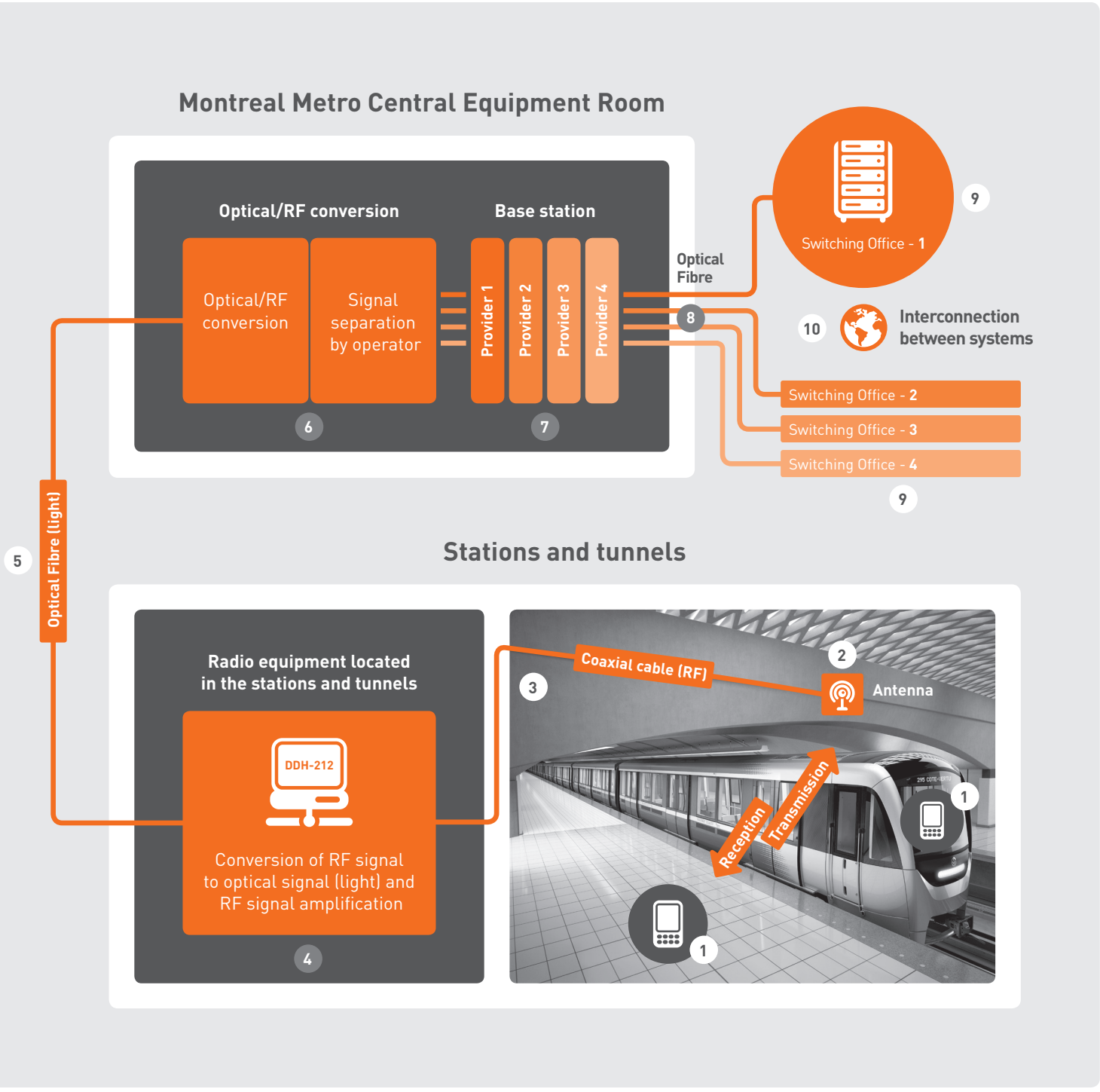

The mobile devices users in the Montreal Metro **(1)** are connected to the mobile service network by transmitting and receiving radiofrequency (RF) signals to and from antennas **(2)**. These antennas are located through the Metro stations and tunnels.

These RF signals are then relayed through coaxial cables **(3)** to amplifiers **(4)** that convert them into optical signals (light). The light signals are then sent to the central equipment room by the fibre-optic network **(5)** installed through the 70 kilometres of the Metro tunnels and stations.

The light signals are then reconverted into an RF signal and separated by service provider **(6)** and then sent to each telecommunications company's base station **(7)**. The signals are then reconverted to light and sent to the mobile telephone switching office of each operator **(9)** via each service provider's optical transmission network **(8)**.

Voice and data calls are then sent to the proper destination thanks to multiple interconnections between the systems and networks **(10)**.