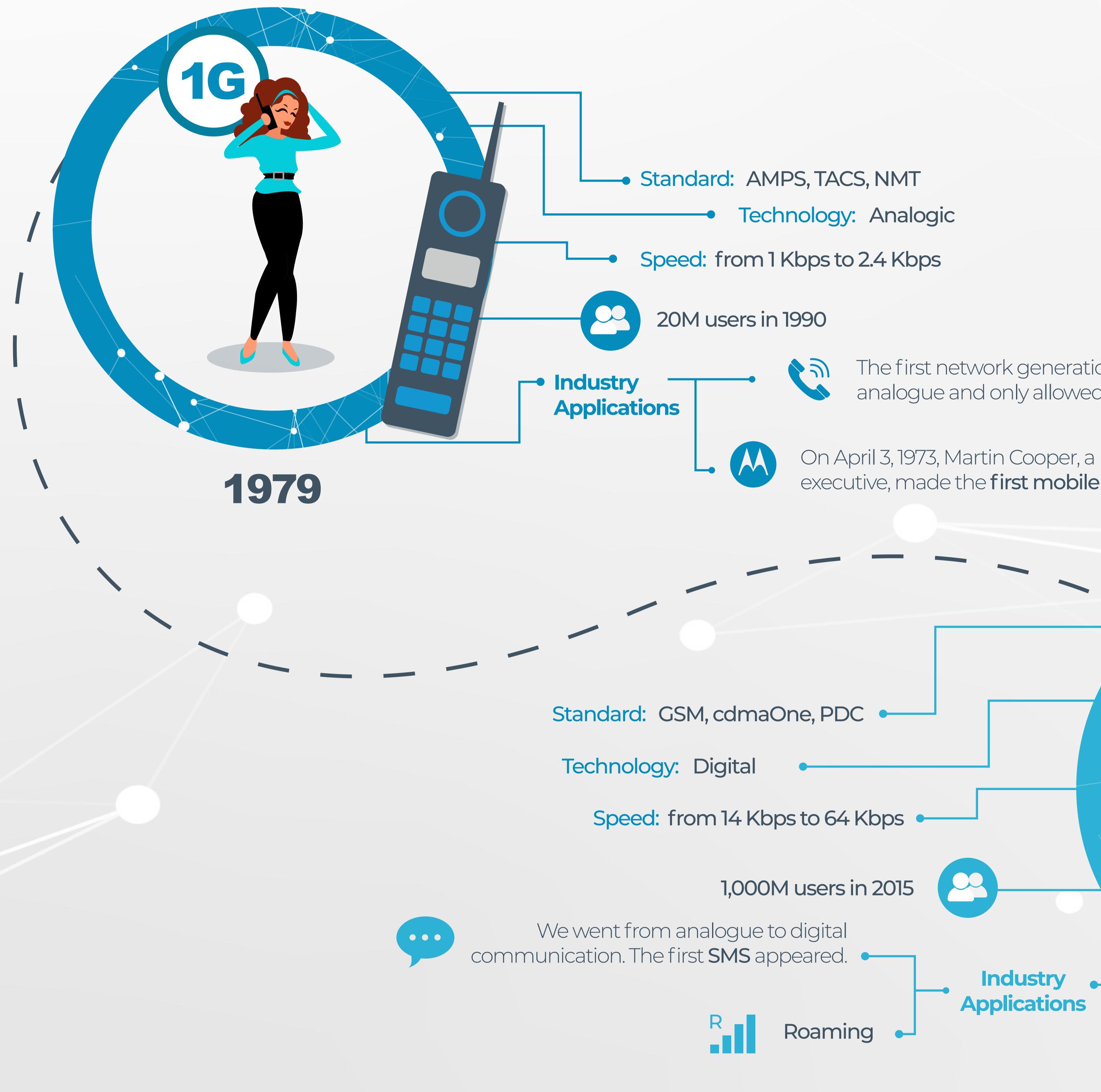


EVOLVING COMMS TO BUILD A NEW DIGITAL ECONOMY AND SOCIETY



The first network generation was analogue and only allowed voice calls.

On April 3, 1973, Martin Cooper, a Motorola executive, made the first mobile telephone call.

Industry

• Standard: UMTS, CDMA2000 Technology: Digital Speed: from 300 Kbps to 40 Mbps Latency: 100 ms 93% of the world population 3G The transmission of data, voice and video arrives. We had a small Industry Applications able to make the first video calls. ---- Digital banking 2001 Email @ Location-based services Multimedia services We didn't only gain speed; encryption was much more secure when transmitting and receiving data. Standard: LTE, WiMAX Technology: Digital Speed: from 100 Mbps to 1 Gbps Latency: 20-100 ms ----3,200M users in 2019 Real video games are coming to our smartphone High speed Internet allows us to listen to music and watch videos in the cloud without interruption. _ Industry Applications The first **wearables** arrive with this technology. We can watch **multimedia content** in real time without interruptions. in real time without interruptions.

1991

2G

Initial Internet of Things services



2010

2019

