SES▲

SUPPORTING DEVELOPMENT IN REMOTE AREAS

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Together with CFE TEIT, we're connecting the unconnected

Industry
Telecommunications

Location
Mexico

The Mexican government declared internet access a human right with a constitutional amendment in 2013.

Only 66.4% of Mexican households had access to broadband in 2021, while states like Chiapas had only 32.6% of the rural population connected.

In July 2016, the United Nations followed suit, shining a spotlight on what the internet means to quality of life. The pandemic further highlighted the necessity of internet access, as people shifted to work from home and governments developed apps to manage pandemic-related communication, documentation, and medical appointments.

Lack of equitable internet access makes it difficult to realise equal access to work, basic education, and public services. Approximately 3 billion people remain unconnected globally as they inhabit areas where internet access is intermittent, expensive, or nonexistent.

The current Mexican government recognises the isolation and marginalisation that lack of internet access creates, especially for those inhabiting areas beyond the reach of terrestrial infrastructure. It has charged the federal agency, CFE Telecomunicaciones e Internet para Todos (CFE TEIT) with the task of addressing the issue under the "Internet para todos" (Internet for everyone) initiative, making it easier for Mexican citizens to connect.

As part of this program, CFE TEIT selected SES to deploy more than 1,100 broadband hotspots across Mexico, connected to the internet via

1,100+

broadband hotspots deployed
across Mexico in 2023

55,360

points installed in 2022 by
CFE TEIT and its partners

140,000

free Wi-Fi hotspots operating
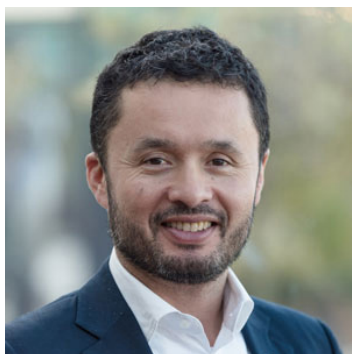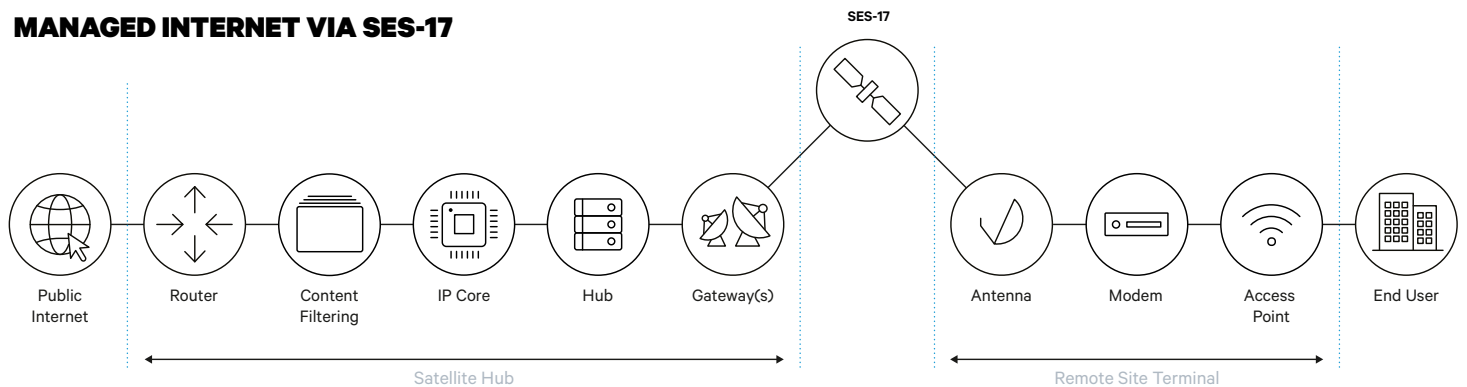throughout the country by 2023

SES-17. CFE TEIT knew that it could count on SES to quickly install the needed equipment on budget, while meeting both the needs for internet and the requirements for future backhaul installations. This contract follows our successful roll-out of more than 1,000 free hotspots connected via SES-15 in 2022. SES meets CFE TEIT's throughput requirements of 12/3Mbps.

CFE TEIT and its partners installed a total of 55,360 points in 2022, providing free internet to its population with the goal of having 140,000 free Wi-Fi hotspots operating throughout the country by 2023. The Wi-Fi hotspots are installed in strategic locations to ensure the entire population has reliable internet access, including remote areas and previously under-served communities.

SES's Managed Internet via SES-17 is provided to CFE TEIT as an end-to-end solution. It enables the federal agency to efficiently adjust its bandwidth requirements in response to changes in demand, while reducing the cost and complexity associated with delivering connectivity via satellite. The solution includes the operation of the hub, and providing Ka-band connectivity to the terminals via the SES-17 satellite. SES is responsible for the installation of the terminals, relocation if required, and removal at the end of the contract.

MANAGED INTERNET VIA SES-17

SES-17

Public Internet — Router — Content Filtering — IP Core — Hub — Gateway(s) — Antenna — Modem — Access Point — End User

Satellite Hub

Remote Site Terminal

"Connecting the unconnected remains a vital challenge, as it can help to end isolation and diverse forms of marginalization endured by many communities and individuals in remote areas that are outside the reach of terrestrial infrastructure. At SES, we are very proud to support CFE TEIT in its mission to connect the entire Mexican population and bring reliable connectivity services that can support their productive, academic, and wellbeing activities."

OMAR TRUJILLO

Vice President of Network Sales for Americas at SES

For additional information
on this project, please
visit ses.com

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