careprod

CASE STUDY

venn

How Venn helped Careprod scale its telemedicine training program

Careprod is an event broadcasting, integration and audiovisual production company that has been specialised in the medical industry since 2011. One of its most exciting projects involves supporting Stryker's SKILL Assist program, which allows medical specialists to remotely train new physicians in specific procedures. For the solution to work properly, **it requires an ultra-fast, low-latency connection that never experiences downtime.**

Venn Telecom helped Careprod scale its SKILL Assist telemedicine service to where it needed to be by rapidly implementing a wireless SD-WAN solution that leveraged a wide range of **technical advantages, including encryption, low-latency links, 4G bonding and unbreakable tunnels.**

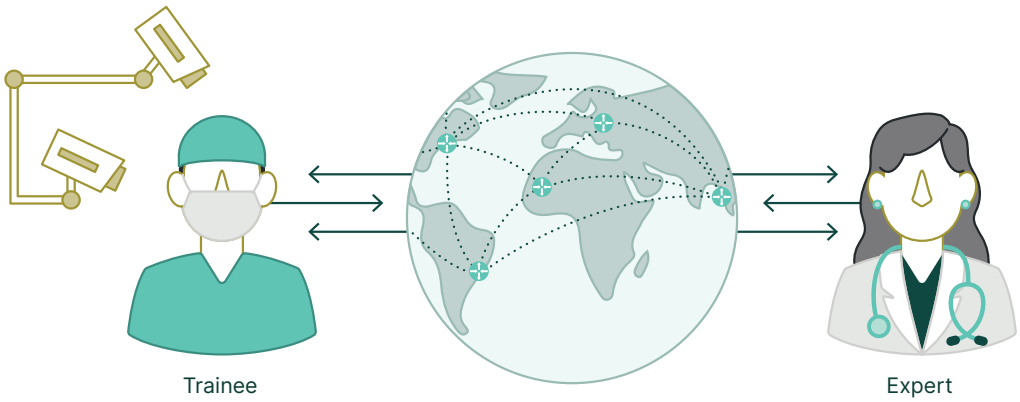
Challenges and objectives

As an audiovisual production provider with telemedicine-related activities, **Careprod had a unique set of objectives it needed to accomplish through its partnership with Venn.**

Rolling out its SKILL Assist service required a network that would let Careprod provide a high-end IP-video service in constrained environments, such as hospitals.

Also, **Careprod needed a way to rapidly scale its remote telemedicine services offering across the world, without compromising on flexibility, consistency, or performance in the network itself.** The solution also needed to securely protect medically sensitive data.

That's where Venn Telecom came in. By tackling multiple problem points at once, we were able to **cut down on latency, ensure data security, and guarantee consistency** across dozens of brand-new locations without requiring on-site tech support — all in a single network migration.



"The network that Venn helped us to deploy is really amazing. It provides our customers with something as easy as their own WiFi connection. Venn helped us on each challenging point regarding connectivity. Challenge beaten."

LOÏC LALET, CTO

Solution

LATENCY

By leveraging bonding technology and advanced algorithms, we were able to **significantly reduce network latency**, creating a smoother experience for the product's endpoint users and ensuring Careprod's remote proctoring program had a long-term fix it could count on.

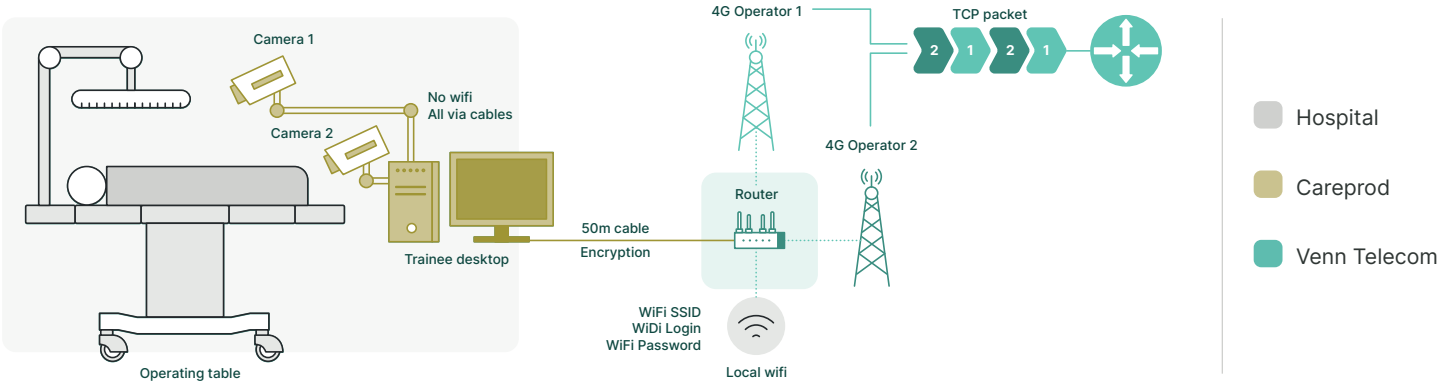
HARDWARE SELECTION

For the network enhancement to work, **it needed hardware that was light and easily deployable.** It needed to be remotely configurable as well, since there would be no human tech support at each site. Our hardware deployment plan made use of Peplink routers to ensure that Careprod's new network would be versatile, secure, and scalable.

INFALLIBLE CONNECTIVITY

4G bonding was used to guarantee session persistence, by combining different inputs into a single, high-bandwidth connection — making it the perfect choice for enhancing the performance of Careprod's wireless network.

How it works



Outcome & key deliverables

Careprod didn't just need an encrypted network with low latency and a reliable connection to anywhere on the planet (including lead-walled operation theatres). It also needed the solution to be easy to deploy and straightforward to scale. **Careprod knew the project was a demanding one.**

In its own words, the group was after something "really magical" — and Venn's SD-WAN-as-a-service solution turned out to be just that.

After working with Venn, **Careprod was able to seamlessly expand its SKILL Assist program**, making remote medical education more accessible for a significant number of trainee physicians. As well as designing the custom solution from the ground up, we also ensured Careprod had the hardware support it needed for the project's implementation.

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