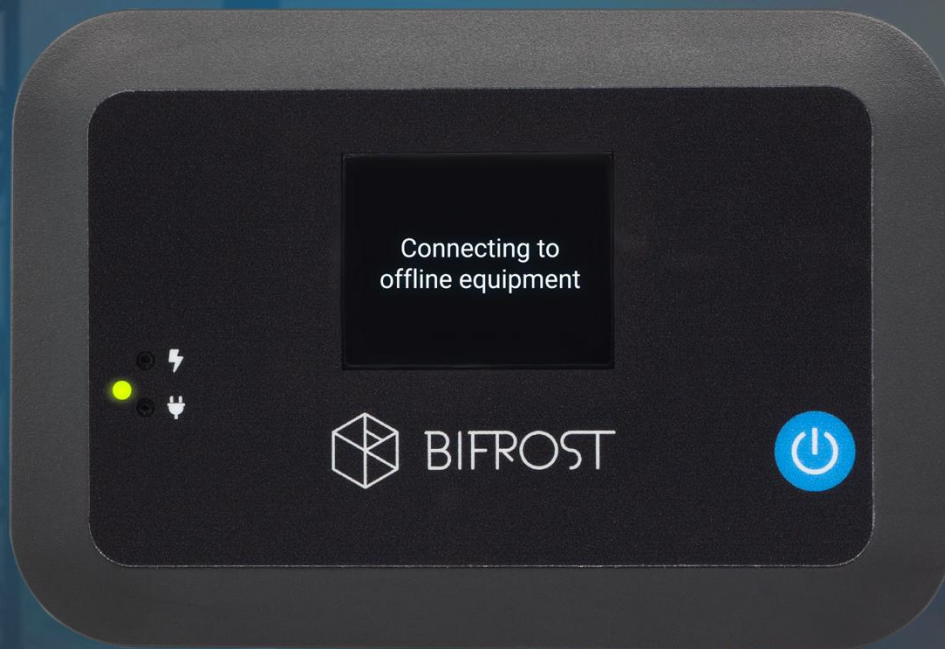




WHERE VPNS END, BIFROST CONNECT

SECURING **REMOTE ACCESS** FOR CRITICAL
INFRASTRUCTURE IN 2026 AND BEYOND

OVERVIEW

The purpose of **BifrostConnect**

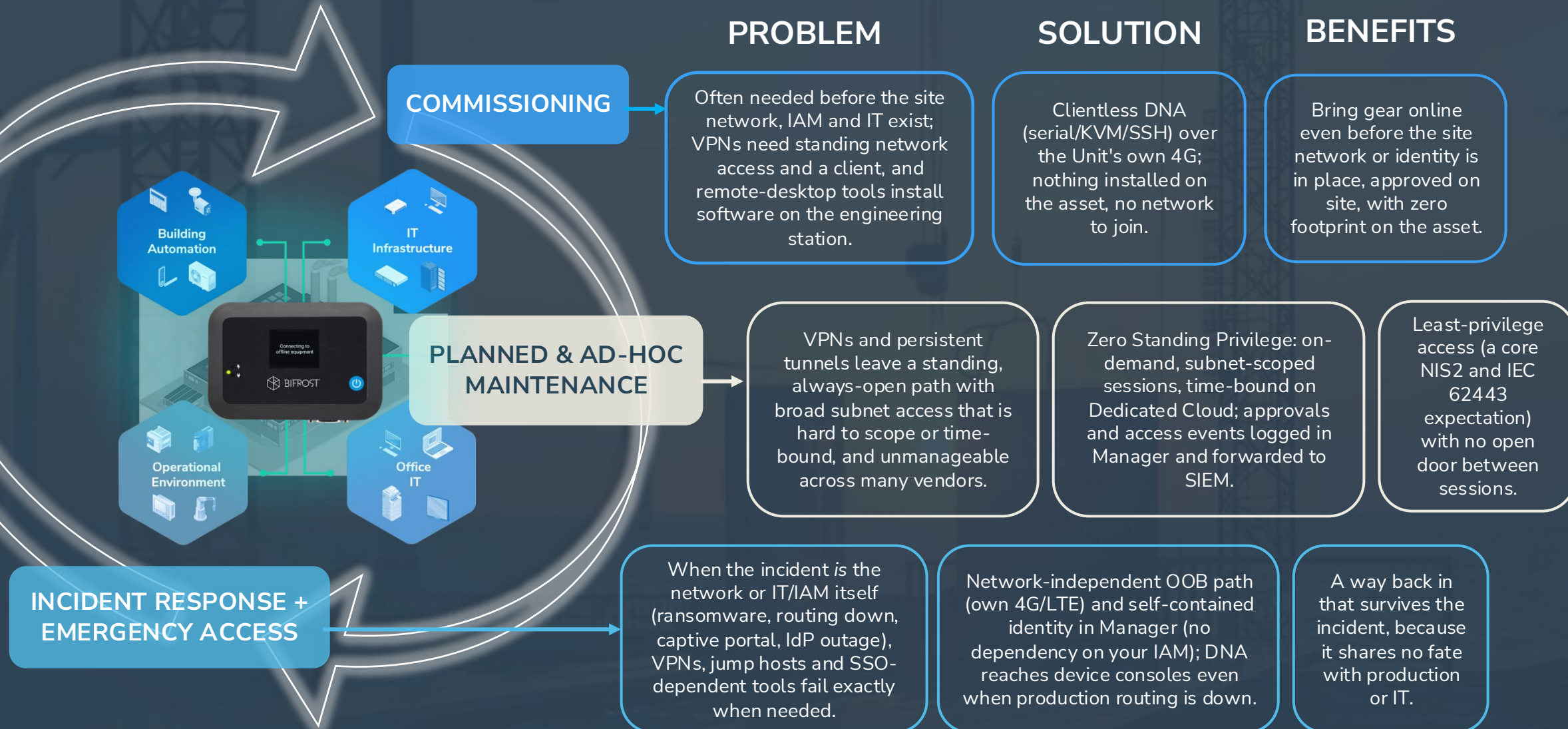
Standing VPN tunnels and traditional network-based access methods are not suited for commissioning, incident response & 3rd party access in critical infrastructure.

Instead, we offer BifrostConnect Unified Out-of-Band Access that provides Secure transport, Native Endpoint Control & Session Governance in one unified platform that's:

1. Danish hardware-based remote access for both IT and OT
2. Made for commissioning, operational resilience and incident response.
3. The solution enables remote access that maps to NIS2 and IEC 62443 by minimizing persistent exposure and enforcing zero-trust controls.



WHEN AND WHERE TO USE



Technology Overview



MANAGER = Central Control Plane

- Session scheduling, JIT access control/ Time-based Access, audit logging.
- Forced 2-factor authentication
- Secure Filetransfers (Direct and Offline)
- Cloud or On-prem

NB. Signalling only / no production data stored or accessible through cloud or TURN-servers:
BifrostConnect has no ability to decrypt customer production data. Sessions use end-to-end encrypted WebRTC (DTLS-SRTP); our TURN relays forward only ciphertext, and no production data is persisted in our cloud.

Remote Technicians

CLIENTLESS 1-2-1 ACCESS



DIRECT NATIVE ACCESS (DNA) aka "The Worlds Longest Virtual Arms":

Browser-based hardware-level console access via WebRTC.

Single Bifrost Unit connected to target equipment. No software installation on either side.



CLIENTLESS TUNNEL ACCESS (CTA) aka "The Closest Thing You get to Air-Gapped Tunnelling": a pure hardware-to-hardware encrypted tunnel - no software on either side, only active while the session is live



DIRECT CLIENTLESS TUNNEL ACCESS (DCTA) aka "The most ad-hoc HW-based tunnel available": Browser-based tunnel client. Single Bifrost Unit in the OT environment. No software installation required - runs entirely in the operator's browser.

LIGHT-WEIGHT APP FOR 1-2-1, MULTI-ENDPOINT AND MULTI-TECHNICIAN ACCESS



DIRECT TUNNEL ACCESS (DTA) aka "The Worlds Longest Cable":

WireGuard-based IP tunnel via lightweight installed client application, connecting to a Bifrost Unit in the OT environment. Subnet mappings enable access to multiple endpoints.

Hardware-Enforced Access
(Attended / Unattended
Bifrost Unit)

On-site GPC device,
Engineering Station or
OT system / machine.

2026 SESSION ACCOUNTABILITY



SessionGuard:

- Session governance with mandatory live-streaming + recording of technician PC screen and keystrokes during sessions. Streamed and saved on customer owned and controlled logserver.



AccessGuard (AG):

Station-level access governance with local MFA, scoped application access, and endpoint-side session recording

MOSED USED ACCESS TYPES

DNA vs DTA

Direct Native Access + Attended Unit



Direct Native Access (DNA):
Aka “The World’s Longest Arms”:
Browser-based hardware-level console access via WebRTC. Single Bifrost Unit connected to target equipment. No software installation on either side.

MANAGER - Central Control
(Private environment on common cloud, private Dedicated Cloud or On-prem)



(Only outbound on port 443)

NB. Signalling only / no production data stored or accessible through cloud or TURN-servers:
BifrostConnect has no ability to decrypt customer production data. Sessions use end-to-end encrypted WebRTC (DTLS-SRTP); our TURN relays forward only ciphertext, and no production data is persisted in our cloud.



Attended Access Unit:
Hardware-Enforced Access with built-in TOTP function for on-site physical control.

HDMI/USB

Server / PC

SSH

Linux Server

RS232

Router

Direct Tunnel Access + Unattended Unit



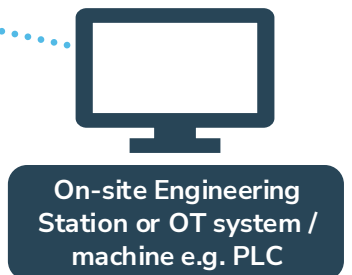
DIRECT TUNNEL ACCESS (DTA) aka
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WireGuard-based IP tunnel via lightweight installed client application, connecting to a Bifrost Unit in the OT environment. Subnet mappings enable access to multiple endpoints.



Unattended Access Unit
Hardware-Enforced Access with forced 2-factor authentication and time-limited sessions controlled in Manager interface.



IP



7 REASONS WHY CUSTOMERS CHOOSE US



- 1 **SECURE TRANSPORT, ENDPOINT CONTROL AND ENFORCED SESSION ACCOUNTABILITY IN ONE UNIFIED PLATFORM, PROVIDING YOU BOTH DEVICE-LEVEL AND NETWORK-LEVEL ACCESS TOGETHER.**
- 2 **OUT-OF-BAND HARDWARE ACCESS TO ANY EQUIPMENT:** Including air-gapped, legacy and OS-less assets no other remote access solution can reach.
- 3 **BUILT ON THE BELIEF THAT “OT CALLS OUT. OT NEVER RECEIVES”:** No open ports, no inbound traffic, no internet exposure of target equipment.
- 4 **Local on-site control + centralized governance:** The facility owner controls who gets in, when, and for how long, without giving up central oversight
- 5 **ZERO TRUST BY DESIGN:** Mandatory MFA, just-in-time sessions, least privilege, full audit trail and session recording - with no dependency on the vendor's engineering license.
- 6 **WORKS WHEN NOTHING ELSE DOES:** 4G out-of-band connectivity means remote access survives network outages, and the portable unit with built-in battery requires no infrastructure changes on site.
- 7 **“TRUE AD-HOC ACCESS BY NATURE”:** “Ad-hoc” is not just a software add-on or something that’s configured in order to work - it’s the nature of the Bifrost Unit, to be moved around and plugged in where and when you need it.