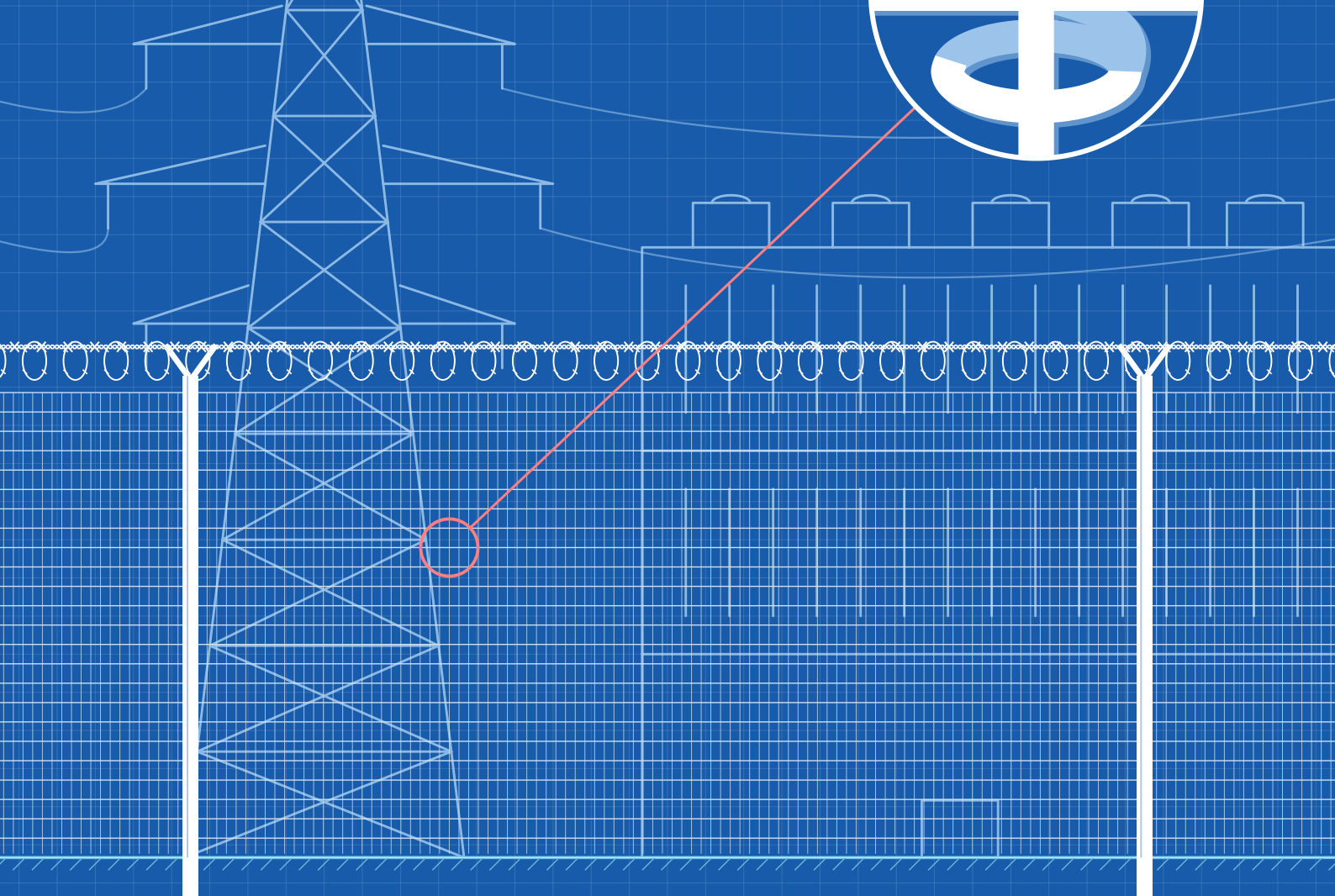




CRITICAL INFRASTRUCTURE FENCING

Engineered for critical infrastructure

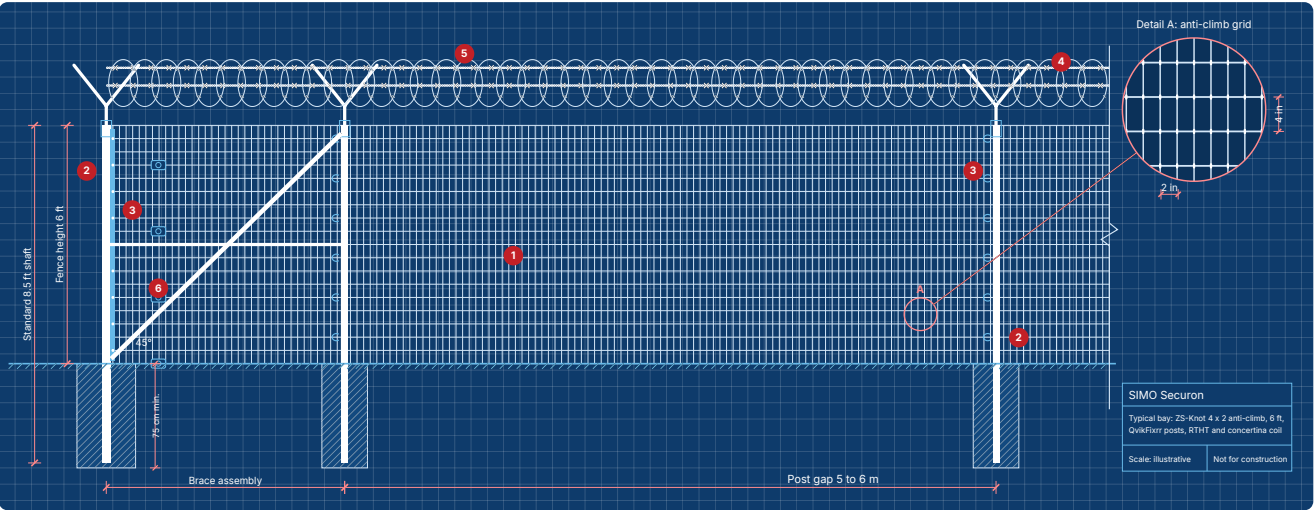
A brand of SIMO WiroTEK Private Limited

Match the fence to the threat

India's first manufacturer of Q-Knot™ and ZS-Knot™ (Anti Climb) fencing with Zn-Al coating, engineered for critical infrastructure.

The threat	Our answer
People climbing over	ZS-Knot 4 x 2 inch anti-climb grid: no toe or finger hold.
Cutting through	High-tensile wire locked at every crossing, with RTHT barbed wire and concertina coil as added layers.
Theft of steel	RCC posts and FRP angles, which carry no scrap value.
Corrosion and downtime	Alpha: Zn-Al of 240 GSM minimum, 2,000 hours of salt spray without red rust, 35+ years rated life.
Long build programmes	About 40 percent faster to install than chainlink, and twice as fast as a wall.

The complete perimeter, from one maker



- 1 **ZS-Knot fabric.** 4 x 2 inch anti-climb grid, Alpha or Zeta Nova.
- 2 **QvikFixrr posts.** Standard 8.5 ft shafts with attachments; terminal and corner posts braced.
- 3 **Clips, fabric locks and fasteners.** QvikFixrr V-Clips, C-Clips, flat bar locks and M10 fasteners.
- 4 **RTHT barbed wire.** Reverse-twisted high-tensile barbed wire, on the post attachments.
- 5 **Concertina coil.** From 450 to 1,000 mm, for an added layer of deterrence.
- 6 **Installation tools.** Fence puller, tensioner and wire twister.

A typical bay, 6 ft.

Against a wall

Equivalent strength, twice as fast to install, and far less civil work.

Where a wall still wins

If you need visual privacy or noise screening, a wall remains the right answer. We will tell you so.

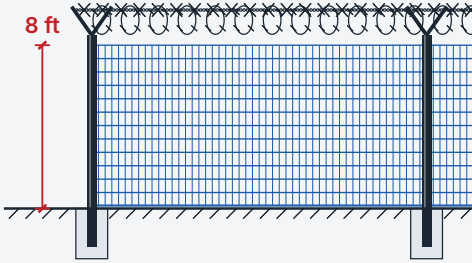
Cost effective

Installed cost in line with conventional chainlink, and up to 10 percent more cost effective over its life with Alpha.

To know how rated life is calculated, visit simosecuron.com.

Two starting designs

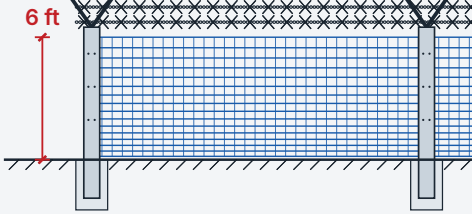
We work to your drawings, specification and applicable standards, and refine the design against the site and the threat.



SUGGESTED DESIGN

High-security sites and data centres

ZS-Knot 4 x 2 anti-climb, Alpha, up to 8 ft, with RHTT and concertina coil.



SUGGESTED DESIGN

Utilities and long corridors

Pilferage-free design with RCC posts and FRP angles, which carry no scrap value. Alpha Q-Knot, 6 ft.

Both are starting points for discussion, not for construction. Every project is built to its approved drawing.

Built to be checked

Tensile strength	IS 1608 (Part 1)
Coating mass	IS 6745 and gravimetric methods
Coating composition	X-ray fluorescence (XRF)
Corrosion resistance	Salt spray to IS 9844. Alpha: 2,000 hours, Zeta Nova: 1,200 hours, without red rust
Alpha classification	AS/NZS 4534:2006 Class W10 and BS EN 10244-2:2001 Class A

Every grade is tested at NABL-accredited laboratories. We welcome a trial panel, and inspection of manufacture and testing at our works in Butibori.

ZS-Knot in brief

Grades	Alpha (Zn-Al, 240 GSM minimum, 35+ years rated life) and Zeta Nova (Zn-Al, 120 GSM, 20 years)
Wire strength	700 to 800 MPa in every grade, which the knot requires
Grids and heights	4 x 2 in anti-climb, 6 ft and 8 ft; 4 x 4 in, 6 ft and 8 ft; 3 x 3 in (25 line wires), 6 ft
Anti-climb	The 4 x 2 inch grid only: its openings are too narrow for a toe or finger hold
Roll length	50 m

Trusted by private sector clients

We have supplied both Q-Knot and ZS-Knot to companies listed on an Indian stock exchange.

DEFENCE MANUFACTURING, NAGPUR

Solar Defence and Aerospace

Plant perimeter

INFRASTRUCTURE AND EPC

Megha Engineering

Supply exceeding 100 km

RAILWAYS

Railway contractors

Boundary fencing supply to multiple contractors

Certified

ISO

9001, 14001 and 45001 certified

NABL

every grade tested at NABL-accredited laboratories

30+

years of manufacturing experience in the leadership team

Nagpur

made in India, at our works in MIDC Butibori

Three ways to buy



Supply only

Fabric, posts and fittings as one matched system, with training for your installers.



Supply and install

One contract and one point of responsibility: our trained crews install to SIMO standards.



Turnkey EPC

Site survey, design to approved drawings, supply, installation, inspection, and handover with documentation.

Tell us about your site

Send us the site plan, the perimeter length and the specification. We will recommend the design and the level of service, and send a quotation.



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