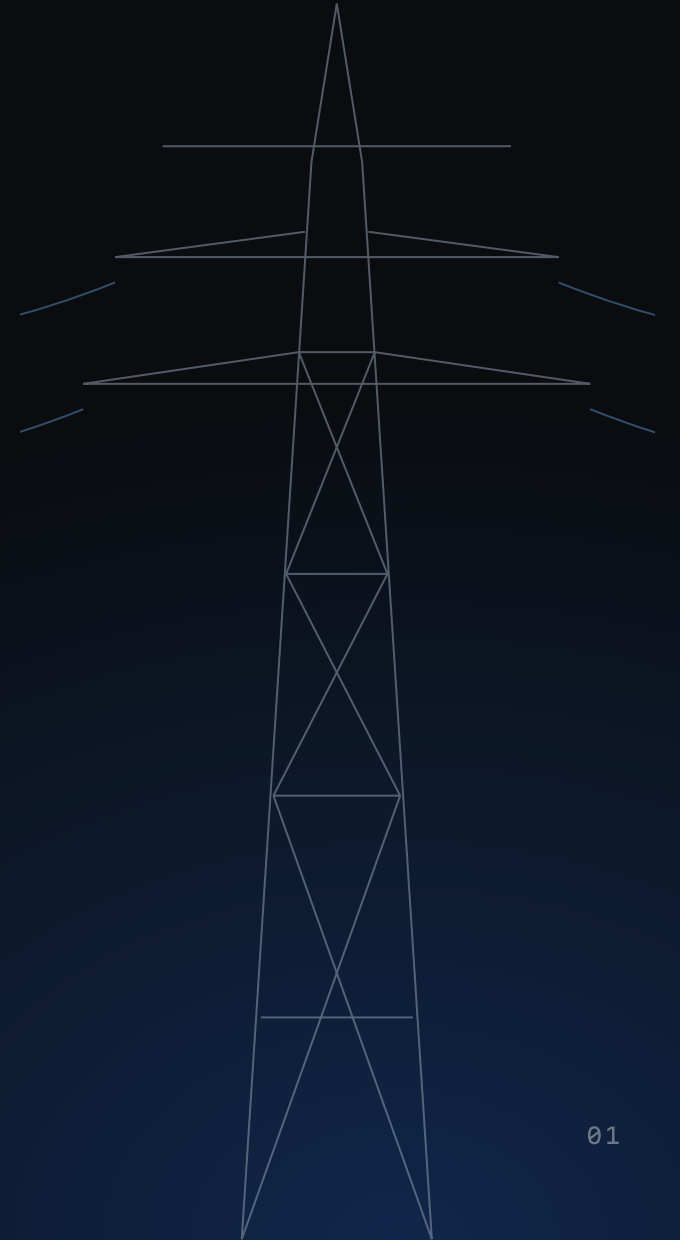


SEHRO

THE FUTURE OF POWER IS ENGINEERED.

Australian technology for understanding electricity infrastructure,
network capacity and the demands of an electrified world.



EVERY NEW LOAD ASKS THE NETWORK **ONE** **QUESTION.**

Can it carry this? Data centres, electrolyzers and electrified industry arrive in tens to hundreds of megawatts.

CAPACITY

How much can this point carry?

Hosting capacity at each stage of a site's growth, with the first binding limit named.

CONTINGENCY

What if a line is lost?

The connection has to hold through each credible outage, for every stage and option.

EVIDENCE

What actually happened?

Once a site runs, network and customer need a shared record either side can check.

GRIDWINDOW

One engine that follows a connection through its whole life. Every figure comes from full AC power flow, confirmed by an independent solver.



BEFORE

CONNECTION AND CAPACITY

Every growth stage, intact and under each listed outage, with classified hosting capacity.



DURING

ASSUMPTION MONITORING

Study assumptions tested against measured data, with drift surfaced and evidenced.



AFTER

VERIFIABLE RECONSTRUCTION

Signed evidence pack that a third party can verify and re-run.

VALIDATED ON AN AUSTRALIAN BENCHMARK.

A published benchmark network of the Australian grid. Detailed results on request. Proof of concept (TRL 3) for the AC connection assessment only; the full workflow is a working prototype on a synthetic network.

2

INDEPENDENT SOLVERS
AGREE ON EVERY REPORTED
SOLVE

39/39

BROWSER CHECKS PASSED

145

TIME STEPS, ZERO
HINDSIGHT LEAKAGE

213

AUTOMATED TESTS

ENGINEERED FOR NETWORK SCALE.

Screening one connection takes thousands of AC solves across stages, outages, options and snapshots. On transmission networks with thousands of buses, that becomes an accelerated-computing problem. SEHRO is applying to NVIDIA Inception to pursue it.

D.01	· PROPOSED	GPU-batched power flow with NVIDIA cuDSS, matched to CPU results
D.02	· PROPOSED	Grid digital twin in OpenUSD for NVIDIA Omniverse
D.03	· PROPOSED	Plain-language scenarios via NVIDIA NIM, engineer-confirmed

BUILT IN AUSTRALIA.

An Australian electricity infrastructure technology venture founded by Virginia Graham, focused on grid connection, network capacity and operational assurance.

LEGAL ENTITY

Riches Boxing Pty Ltd

NAME

SEHRO, a proposed business name (not yet registered)

FOUNDER

Virginia Graham

THE PATH TO A FIRST PILOT.

M1

Foundation

GridWindow IP arrangement with Cloudsail Technologies. SEHRO business name.

M2

Scale

Profile a multi-thousand-bus network; prototype the GPU-batched path.

M3

Assurance

Independent power-systems engineering review of method and results.

M4

Pilot

Access to one real network planning model under a future confidentiality agreement.

SEE IT RUN.

A private technical walk-through of GridWindow on a benchmark network and a synthetic regional network.

FOUNDER

Virginia Graham

EMAIL

hello@sehro.com.au
