

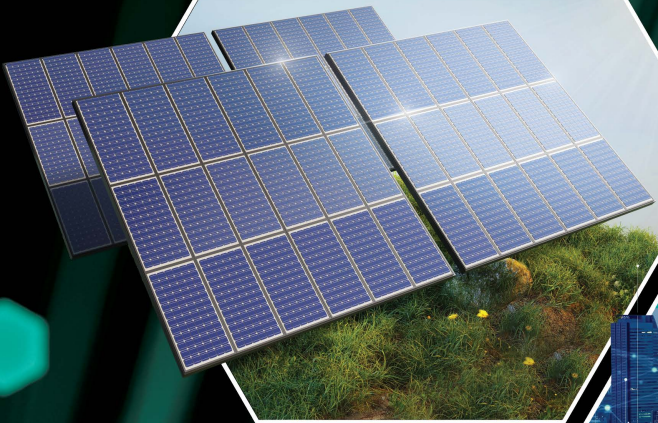


PETRONAS

DATA CENTRE SUPERSTORE

**FROM POWER
TO POSSIBILITY**

ENERGY



**SPACE &
SPEED**



**THERMAL
SOLUTIONS**







Data is Booming. The Ground Beneath it is Straining.

We are living in the age of intelligent everything — where cloud computing and artificial intelligence powers our daily lives. Data centres are the beating hearts of digital progress.

But as demand for data explodes, so too does the strain on the physical world that supports it. Today's data centres are growing larger, faster, and hungrier — consuming the energy of entire cities and the land of entire districts.

Building and operating data centres today is no longer just about servers and speed. It's about enabling seamless, multi-dimensional solutions that balance performance, reliability, and impact.

To thrive in this new era, the world doesn't just need more data centres. It needs **smarter, cleaner, and future-ready** solutions that empower progress across every layer of the digital ecosystem.

Powering the Next Era of Data Centres

PETRONAS is reimagining how data centres are powered, cooled, and built.

Our integrated offering is a next-generation ecosystem designed to meet the scale, speed, and sustainability demands of modern day data centres.

From advanced thermal management to hybrid energy stacks, **PETRONAS** delivers integrated solutions that help data centres **launch faster, run cleaner, and scale smarter** — all with long-term resilience in mind.





ENERGY



LAND
AVAILABILITY



THERMAL
SOLUTIONS



FIBRE
CONNECTIVITY

Cooling the Core. Powering the Cloud. Building the Future.

Explore how **PETRONAS** is advancing
data centres sustainability, uptime,
and scalability through:

- Advanced thermal management systems
- Low-carbon energy offering
- Integrated infrastructure solutions

01 Energy Stack Builder "Powering the Cloud"



Powering Data Centres with Cleaner Energy

Data centres need energy solutions that are reliable, scalable and sustainable. Gentari, **PETRONAS'** clean energy arm, provides flexible energy stacks that combine renewable sources such as solar with conventional supply to deliver round-the-clock performance.

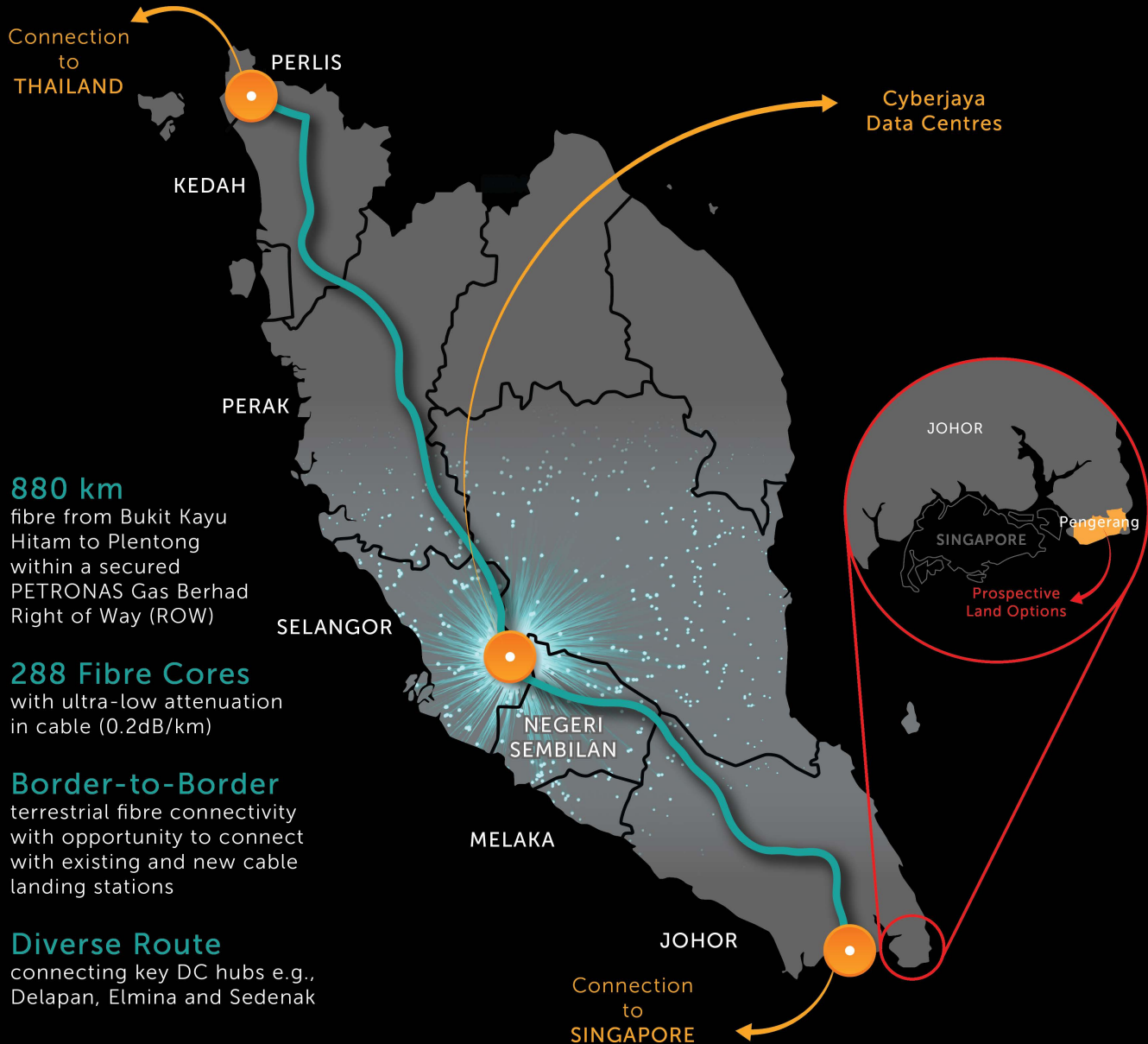
Our solutions help data centres:

- Ensure reliability through stable, performance-backed supply.
- Advance sustainability goals with access to renewable energy certificates (RECs).
- Adapt with flexibility via on-grid, off-grid, or hybrid configurations tailored to operational needs.

With Gentari, data centres can strengthen resilience, manage costs effectively and progress on decarbonisation without compromising performance.

02 Space & Speed "Building the Future"

FIBRE BACKHAUL ACROSS PENINSULAR MALAYSIA

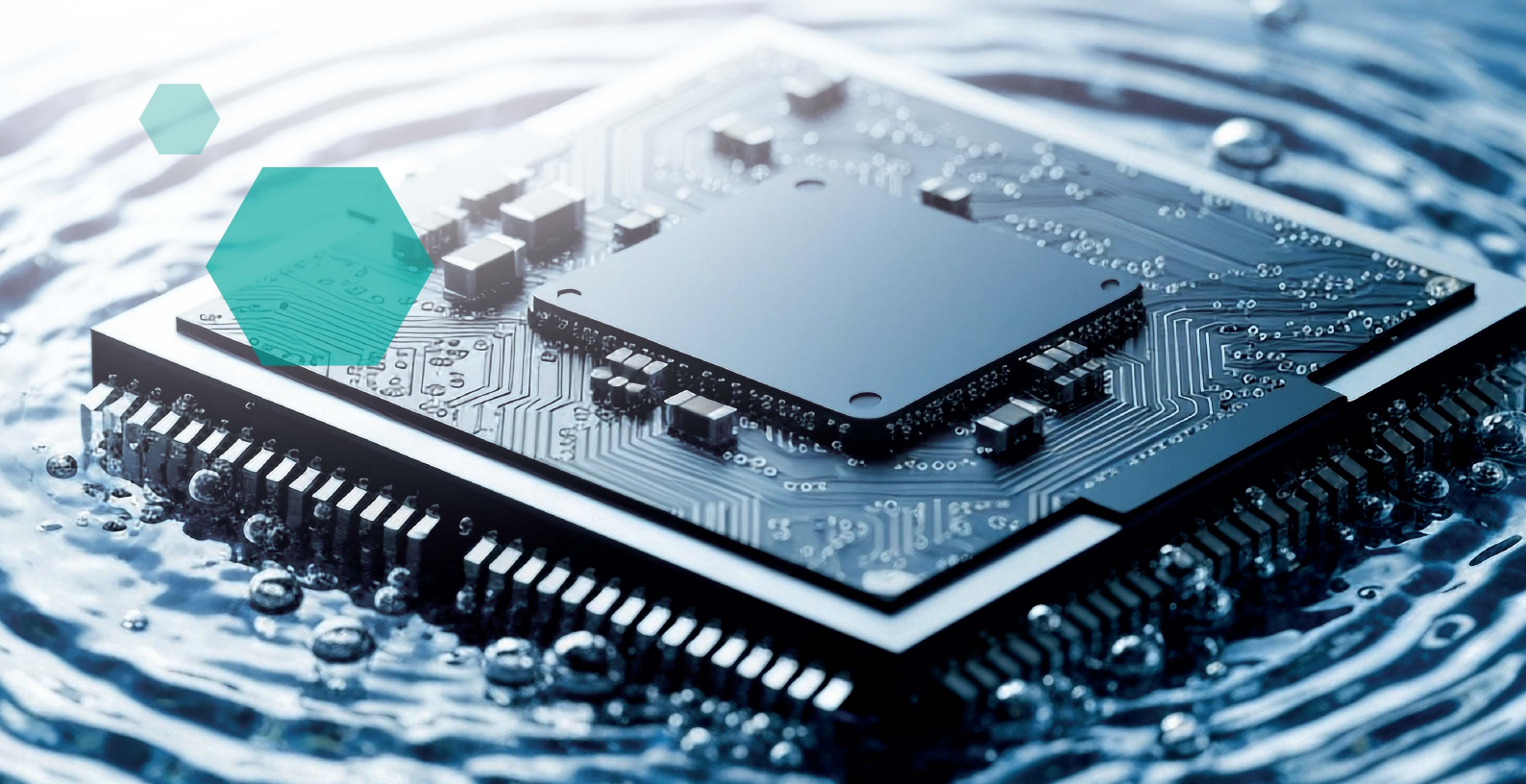


Strategic land solutions identified within Johor with:

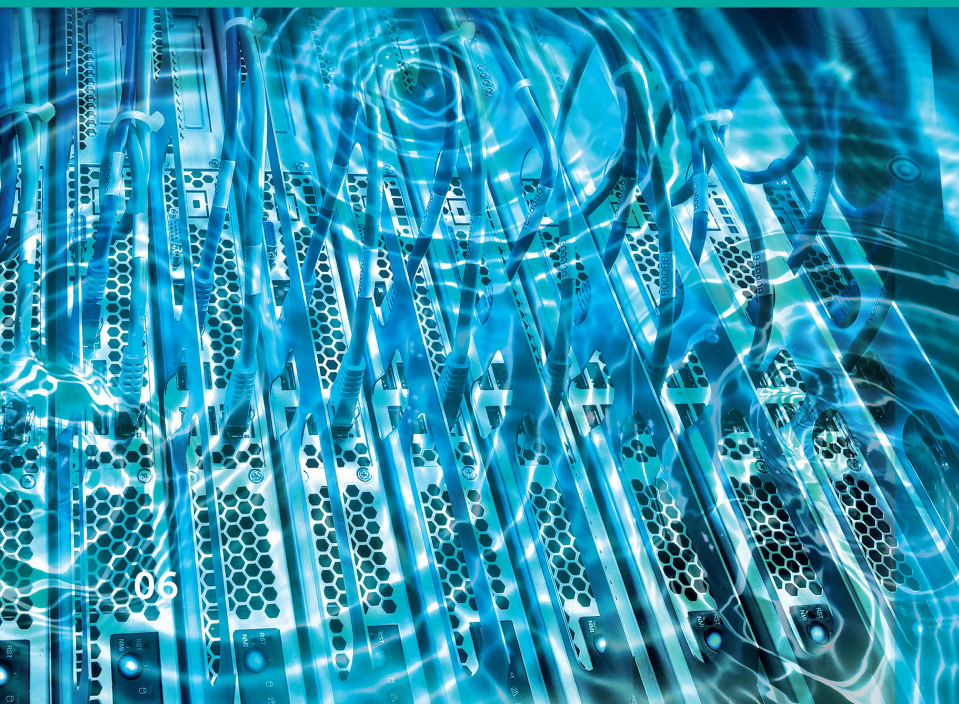
- Access to reliable, cleaner electricity powered by advanced H-class technology, boasting a low grid emission factor of just 0.22 tCO₂/MWh — alongside uninterrupted access to water supply
- Proximity to fibre connectivity

All engineered for data centres infrastructure readiness and speed to market.

03 Thermal Management Solutions "Cooling the Core"



Uncover **PETRONAS**' next-generation liquid cooling technologies, including immersion and direct-to-chip solutions and PCM-based (phase-change material) thermal storage for energy recovery and GHG reduction.





Whether you're starting small,
expanding fast, or
transforming for the future —
PETRONAS delivers the
full stack to help you stay ahead.

Let us help you build the foundation for
intelligent, sustainable infrastructure —
one that can keep pace
with the cloud above it.



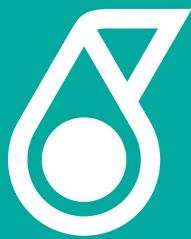


Thermal Intelligent Fluids

Accelerating efficiency with advanced thermal management solutions designed to transform the future of data centre cooling worldwide.

Find out more at www.pli-petronas.com





PETRONAS

Get in Touch

For more information or enquiries,
please contact us at:
it-dcsuperstore-ex@pli-petronas.com

www.pli-petronas.com