GreenTech Hub Innovation Challenge | GREEN COMPUTE AT THE EDGE

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NEAR-DEPLOYMENT INNOVATION CHALLENGE

SUBMISSIONS NOW OPEN

We're inviting innovators from across the globe to help test, pilot and progress their data centre and compute solutions at scale.

Work alongside our industry, government and R&D partners in Western Australia, where world-class renewable resources, vast land, strong infrastructure and direct connections to Indo-Pacific markets create a unique environment for sustainable compute.

SUBMISSIONS CLOSE

18 OCTOBER

Be part of Western Australia's next generation of sustainable compute infrastructure.

KEY DATES

- Submissions open
  2 SEP 2026
- Submissions close
  18 OCT 2026
- Finalist Tech Pitch
  Perth (West Tech Fest)
  7 - 11 DEC 2026
- Champion Showcase
  Early 2027*
- Support for Champion solutions' deployment
  March 2027*

* Dates are subject to change.

WHY SUBMIT?

The Challenge is designed to move promising technologies beyond ideas and into real-world applications, with curated deployment, industry and commercialisation support. Winners from previous GreenTech Hub Challenges are already progressing toward deployment with industry partners, with potential projects valued at more than $100 million.

ELIGIBILITY

This stream is open to applicants from Western Australia, elsewhere in Australia, and internationally who can offer innovative solutions typically at Technical Readiness Levels (TRLs) 6-9 or equivalent.

Applicants to this stream may include, but are not limited to:

- Startups, SMEs, and large companies
- Research institutions and universities
- Consortia and collaborations
- First Nations-owned enterprises and community organisations
- Non-profit organisations and industry associations

THREE PRIORITY USE CASES

The GreenTech Hub, together with industry, R&D and investment partners, has identified three priority use cases:

01 CARBON-FREE ENERGY

Enable 24/7 100% renewable-powered compute through firm clean energy, storage, flexible and distributed loads, edge/off-grid operation, and productive use of surplus renewable generation across regional WA.

02 WATER-POSITIVE COOLING

Enable zero-potable-water compute cooling through efficient non-water and alternative-water systems that can operate reliably across WA's hot, remote, arid and water-constrained regional environments.

03 REGIONAL BENEFIT & INTEGRATION

Use compute infrastructure to create broader regional value through waste-heat and resource reuse, low-impact siting, and integration with industries such as mining, agriculture, desalination and aquaculture.

SUBMIT YOUR SOLUTION

Scan to learn more and apply

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Established and Supported By

Government of Western Australia
Department of Energy and Economic Diversification

Curtin University

Chevron

Gorgon Project

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Osaka Gas | MidOcean Energy | JERA

GreenTech Hub

“Through the GreenTech Hub, we’re helping innovators connect with industry, investors and regional communities to grow the technologies and create job opportunities that back WA's future,"

Hon Stephen Dawson MLC
WA Minister for Regional Development; Ports; Science and Innovation; Medical Research; Kimberley

About the Hub

GreenTech Hub inspires, mobilises and connects green entrepreneurship in WA.

We support innovation, commercialisation and tech development to catalyse a green, low-carbon future for all.

Our Innovation Challenges bring together industry, government, research, innovators and communities to co-create solutions to real-world challenges in decarbonisation, biodiversity loss and the circular economy.

GreenTech Hub is supported by the WA State Government and Gorgon Joint Venture, and hosted by Curtin University.

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