

Vietnam

Data Center Projects

September 2026

StarMason Project

**Sembcorp
Development**

<https://www.drthinhduong.com/>

Project Status & Timeline

- **Project & Location:** StarMason Joint Stock Company — a 49%-owned joint venture of Sembcorp Development and BB Holding — is developing a hyperscale, AI-ready data centre campus at Saigon Hi-Tech Park (SHTP), Ho Chi Minh City, on approximately 4.5 hectares. (Sembcorp)
- **Investment Capital & Capacity:** US\$480 million registered investment capital; the campus is planned in phases, with 60 MW initial IT capacity and expansion to up to 90 MW. (Vietnam Investment Review - VIR)
- **Current Status & Timeline:** Investment approval secured; land lease secured; detailed development planning → design → construction → commissioning → operation. The project is planned to meet Uptime Institute Tier III, with an ambition toward Tier IV. (Sembcorp)

StarMason Int'l Data Centre Standards Advisory

- **Uptime Institute Tier Strategy:** Establish Tier III as the minimum project certification target, while evaluating the technical and commercial requirements for a future Tier IV configuration across power, cooling, distribution and fault-tolerant infrastructure. **(Uptime Institute Connect)**
- **Design & Engineering Standards:** Engage Uptime Institute Tier Certification of Design Documents (TCDD) during the design stage to independently assess the mechanical, electrical, structural and site infrastructure against the selected Tier objective. **(Uptime Institute Connect)**
- **AI-Ready Data Centre:** Incorporate standards for high-density AI/GPU computing, scalable power and cooling, liquid-cooling readiness, resilient MEP systems, energy efficiency and phased expansion, while maintaining alignment with the selected Tier requirements.

Next Steps: Uptime Certification & Training

- **Facility Certification Roadmap:** Engage Uptime Institute for ① **Tier Certification of Design Documents (TCDD)** → ② **Tier Certification of Constructed Facility (TCCF)** → ③ **Tier Certification of Operational Sustainability (TCOS)**. TCDD is prerequisite to TCCF, and TCCF is prerequisite to TCOS. ([Uptime Institute Connect](#))
- **Data Centre Operator Training — AOS: Accredited Operations Specialist (AOS)** for facility operators, managers and critical-facility teams; covers operations, maintenance, risk management, staffing, procedures, safety and operational sustainability. ([Uptime Institute](#))
- **MEP / Engineering Training — ATD + ATP: Accredited Tier Designer (ATD)** for MEP/design engineers and senior contractors, covering mechanical, electrical and Tier-compliant infrastructure; ATP can subsequently provide advanced M&E Tier implementation for qualified ATD/ATS professionals. ([Uptime Institute](#))

AIDC DeCenter — IPTP Networks Investment

Uptime Institute Advisory Overview

<https://www.drthinhduong.com/>

Project Status & Timeline

1. USD 200M AI-Ready AIDC DeCenter by IPTP Networks at Da Nang High-Tech Park
2. 10,000 m² facility, 1,000 racks, 10MW minimum capacity; Carrier-Neutral model
3. Timeline: project launched → investment approved → construction expected March 29, 2026

Uptime Institute Standards for the Project ---

1. Designed to meet Tier 3+ / Tier 4 Uptime standards for resilience and redundancy
2. Architecture includes N+1, N+2, 2N with $\geq 99.982\%$ uptime; aligned with global certifications (ISO 27001, PCI DSS)
3. Suitable for high-performance computing, AI, blockchain, and cloud workloads

Next Steps: Tier Certification & Training

1. Recommended certifications: **Tier III Design (TCDD)** and **Tier III Facility (TCF)** for Phase 1
2. Engage Uptime Institute early for design review, operational readiness, and certification pathway
3. Training programs: **Accredited Tier Designer (ATD)**, **Accredited Tier Specialist (ATS)**, **Accredited Operations Specialist (AOS)**

SAIGONTEL – WVU – SAIF Eagle II

Hyperscale Data Center Project Overview

<https://www.drthinhduong.com/>

Project Status & Timeline

1. 200MW hyperscale data center planned; Phase 1: USD 3.5B investment for 100MW facility
2. Consortium: SAIGONTEL (industrial park developer), WVU (hi-tech & renewable energy), SAIF Eagle II (data center & semiconductor investor)
3. Timeline: LOI submitted → coordination with Tây Ninh authorities & power sector → groundbreaking targeted Q4 → commercial operation next year

International Data Center Standards Advisory

1. Recommend Tier III+ / Tier IV design principles for global-class resilience and redundancy
2. Align with international standards: ISO 27001, ISO 50001, PCI DSS, SOC 2, and hyperscale-grade operational frameworks
3. Ensure design supports high-density compute, AI workloads, and scalable multi-phase expansion

Next Steps: Tier Certification & Training

1. Pursue Uptime Institute **Tier III Facility Certification (TCF)** for Phase 1, with Tier IV pathway for future expansion
2. Engage Uptime for facility review, operational sustainability, and certification roadmap
3. Training programs for DC Operators & MEP Contractors: **ATD (Accredited Tier Designer), ATS (Accredited Tier Specialist), AOS (Accredited Operations Specialist)**

HITC – Evolution

Data Centres Hyperscale & AI Data Center Platform Overview

<https://www.drthinhduong.com/>

Project Status, Location & Investment

1. Joint venture developing large-scale hyperscale & AI-ready data centers in **Hanoi (EcoDC expansion)** and **Ho Chi Minh City (Saigon Hi-Tech Park 52MW, USD 508M facility)**
2. North–South platform: VN01 Hanoi (Tier III certified) and VN02 HCMC (new hyperscale campus)
3. Timeline: JV formed → flagship projects announced → development planning and land/lease preparation underway

International Data Center Standards Advisory

1. Recommend Tier III+ / Tier IV design principles for hyperscale resilience, redundancy, and sustainability
2. Align with global standards: ISO 27001, ISO 50001, SOC 2, PCI DSS, and hyperscale sustainability frameworks
3. Integrate renewable-energy strategies, high-efficiency cooling, and AI-ready high-density compute architecture

Next Steps: Facility Tier Certification & Training

1. Pursue Uptime Institute **Tier III Facility Certification (TCF)** for Hanoi EcoDC expansion and Tier III/Tier IV pathway for HCMC hyperscale campus
2. Engage Uptime for facility review, operational sustainability, and certification roadmap
3. Training programs for DC Operators & MEP Contractors: **ATD (Accredited Tier Designer), ATS (Accredited Tier Specialist), AOS (Accredited Operations Specialist)**

Xin Cảm ơn

**Thank
You**