



From a Modest Engineering Firm to Nation's Connectivity Drive

Founded in 2019, Perwira Energy Sdn. Bhd. is a Malaysian-owned company with a strong focus on telecommunication engineering solutions and offering forward-looking energy solutions. Over the years, it has grown into a trusted provider that supports Malaysia's expanding connectivity needs by delivering innovative, reliable and sustainable infrastructure for an increasingly digital and interconnected society.

The essence of Perwira's approach is simple yet purposeful: to bridge technical expertise with practical, on-the-ground solutions. "Our goal has always been to bridge technical expertise with practical solutions so that clients achieve operational excellence and long-term resilience," says T.Thiagaraj, the Managing Director of Perwira Energy Sdn. Bhd. This philosophy has helped the company gain a reputation for being not just a contractor, but a partner that works alongside clients to ensure that complex projects are executed effectively and sustainably.

Driving Malaysia's Connectivity Agenda

Perwira's core strength lies in telecommunications engineering. Over the years, the company has built a portfolio that spans designing, building, supplying and implementing cables, antennas, tower systems and related infrastructure to support advanced connectivity needs. Its technical repertoire includes radio network planning and optimisation, spectrum refarming and, metal fabrication — capabilities that allow the company to provide complete, end-to-end network solutions.

These capabilities have enabled Perwira to undertake projects that bring both innovation and impact. Among the highlights are its role as a service partner managing 21 NADI centres (Pusat Sebaran Maklumat Nasional) in selected regions for approximately five years, which helped support community-level connectivity, and the Sarawak Borneo Restu POP 2 project, which connected more than 300 sites to enhance telecommunications access across East Malaysia.

While its achievements are notable, Perwira's growth journey has not been without challenges. Securing project financing, attracting the right talent and maintaining stringent service quality standards were among the toughest hurdles faced by the young company. Additionally, ensuring compliance with Health, Safety, Security and Environment (HSSE) requirements across multiple work sites remained a constant responsibility.

Overcoming Challenges Through Partnerships

To navigate these challenges, Perwira focused on building strong partnerships and investing in its people, understanding that reliable teams are central to delivering high-quality projects. The company also adopted digital tools and smart-monitoring systems to improve operational efficiency, strengthen project delivery and maintain service excellence across its portfolio.

"We first learned about MDV through industry networks and government initiatives that highlighted their role in nurturing high-growth, technology-driven companies. MDV's reputation as a strategic enabler for businesses in emerging sectors made them a natural partner for us as we sought to scale our renewable energy and technology-driven projects."

A defining moment in Perwira's growth story came in 2020. The company had secured a major digital-infrastructure contract that promised significant expansion yet found itself unable to obtain the necessary facilities from traditional banks despite the secured project. That year, Malaysia Debt Ventures Berhad (MDV) stepped in as the first financier, providing crucial purchase-order financing for a key telco provider project.

The timely intervention by MDV proved transformative. It allowed Perwira to accelerate project execution, expand its portfolio and strengthen operational resilience. Today, the company reports revenue approaching RM50 million, a testament to how strategic financing and strong partnerships can unlock growth for emerging businesses.

Perwira's impact extends beyond business growth. The company has been contributing to Malaysia's energy-transition goals, particularly by supporting projects that expand renewable-energy capacity and improve energy efficiency in industries. At the same time, it has played a role in advancing rural and urban digitalisation through partnerships with agencies such as MCMC, building infrastructure that bridges the digital divide and provides underserved communities with more reliable connectivity. These efforts support the nation's ambition of achieving net-zero emissions by 2050 and fostering a more inclusive digital economy.

Looking forward, Perwira is charting an ambitious course. The company is preparing to embark on a smart-city project built around a private 5G enterprise network, aiming to create a digital ecosystem that will help cities operate more efficiently and sustainably. In addition, Perwira will participate in JENDELA Phase 2, contributing to the continued expansion of broadband and mobile-network coverage nationwide.

Reflecting on the journey, Thiagaraj noted: "Our transformation from a conventional engineering services firm to a forward-looking energy and telecom solutions company shows what's possible with the right partners. We're excited about this next phase — bringing smarter connectivity and sustainable infrastructure to more communities."

Perwira Energy's story demonstrates the power of persistence, innovation and strategic collaboration. From overcoming financing challenges to taking part in Malaysia's digital infrastructure agenda, the company's evolution illustrates how local players can drive both commercial success and national development.

"We truly appreciate that MDV chose to work with us and believed in our capabilities. Their support allowed us to scale rapidly and execute multiple projects across different technologies at the same time."



T.Thiagaraj
Managing Director