



SQUARE ROOT ENERGY SDN BHD

THE COMPANY PROFILE

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www.squarerootenergy.com



Hi There!



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SQUARE ROOT ENERGY SDN BHD



About Company

Founded in August 2020, Square Root Energy has rapidly evolved into a premier multi-disciplinary contractor serving Malaysia's industrial sector. We specialize in delivering precision-engineered solutions under strict safety compliance for complex plant environments. Our commitment to quality craftsmanship, competitive pricing, and 120% dedication ensures seamless project execution from conception to completion.

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SQUARE ROOT ENERGY SDN BHD

Ceo Message

"At Square Root Energy, we solve industrial problems. Since 2020, our mission has been simple:

Deliver quality engineering work — safely, on time, and within budget.

We're proud to serve clients like PETRONAS, PRIMA, and Terengganu Silica. Whether fabricating pipes at a plant, installing fiber optics, or maintaining critical equipment, we treat every project like it's our only project.

Why choose us?

- Safety-first crews trained for high-risk environments
- One team handling mechanical, civil, and electrical work
- No excuses commitment – we finish what we start

To our clients: Thank you for trusting us with your toughest challenges.
To our team: Your skill and dedication build our reputation daily.
Let's keep building Malaysia's industrial future—together.

As we power toward the future, we remain anchored to our founding principle:

$\sqrt{\text{Energy} \times \text{Commitment}} = \text{Exponential Results}$

Let's build Malaysia's industrial backbone – together."

Haqimi Yusoff

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How We Work

Precision Engineering . Safety First . Client Partnership

LISTEN

- Deep dive into your needs
- Site assessment & planning
- Transparent quoting



PREPARE

- Safety-first work plans
- Certified equipment check
- Cross-team coordination



EXECUTE

- Multi-skilled crews on site
- Real-time progress updates
- Strict quality checks

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Our Service



Mechanical

- Pipe fabrication/erection
- Structural welding
- Plant maintenance
- Hydrotesting & blasting

Civil

- Site Preparation & Earthworks
- Foundation
- Renovation
- Waterproofing
- Road/pavement construction
- Precast structures
- Boundary walls & fencing

Electrical

- HV/LV electrical installations
- Cable termination & tray management

Fiber Optic

- Fiber cable installation
- Splicing & termination
- Testing & certification
- Maintenance & repair

Non Metal

- Material HDPE, PP-R, CPVC
- Jointing Expertise
- Pressure Testing & Compliance

Foam Tank Bladder

- Foam tank bladder replacement
- Prepare procedure



Our Project



REFURBISH BOP BLOCK

Square Root Energy executed a mission-critical refurbishment of 30-tonne BOP (Blowout Preventer) Blocks for Velesto Energy Berhad, ensuring compliance with stringent offshore drilling standards. The project scope encompassed complete disassembly of studs, nuts, and fittings; abrasive blasting to eradicate corrosion; and multi-stage inspections including Visual, MPI (block body), and Dye Penetrant Testing (ring grooves). We performed dimensional verification to API 16A, pressure-tested components to 1.5x Rated Working Pressure, and welded new API 8C-compliant pad eyes — load-tested to 45 tonnes (150% SWL). Following high-performance corrosion-resistant coating application, we delivered API 16A-certified blocks with full test reports within 14 days of downpayment clearance, minimizing Velesto's operational downtime."*





Our Project



FABRICATE AND
INSTALL GATE
AND FENCING

PR1MA Sungai Petani: Security for 2,000 Families (2021)

As lead civil contractor for PR1MA Malaysia, Square Root Energy fabricated and installed perimeter security systems across 2,000 affordable homes in Sungai Petani, Kedah. We industrialized the process: mass-producing 4,000+ MS steel gates to $\leq 2\text{mm}$ tolerance, deploying 48km of fencing, and managing 8 concurrent installation crews – all while adhering to CIDB Class 2 standards and minimizing resident disruption. The project's 100% acceptance rate by PR1MA auditors underscores our capability to merge scale, speed, and structural excellence.





Our Project



FABRICATE AND INSTALL DB

Electrical Infrastructure Emergency:
Terengganu Silica Plant (2022)
When Terengganu Silica Consortium faced critical failures in 7+ year-old electrical distribution boards, Square Root Energy delivered a turnkey solution: fabricating and installing 7 custom IP65-rated DB enclosures within 7 weeks. We engineered 1.5mm steel enclosures with epoxy-powder coating (RAL7032) to withstand silica dust and coastal corrosion, executing live-site installations without disrupting production. The project – from urgent assessment to API-compliant handover – exemplifies our ability to secure industrial operations through precision engineering.





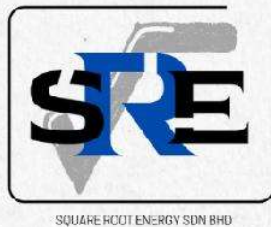
Our Project



REPLACE FOAM TANK BLADDER

Critical Bladder Replacements for Petrochemical Operations (2023)
Square Root Energy executed precision replacements of 4 tank bladders (3 in PCMTBE units + 1 in Ethylene) for Triemas Corporation under PETRONAS compliance protocols. Our teams navigated hazardous environments to install 3,000L, 14,000L and 21,000L bladders with sub-millimeter alignment, conducting rigorous air pressure testing using calibrated equipment. The project achieved zero safety incidents and 15% cost savings through optimized manpower deployment, reinforcing our capability to maintain operational continuity in chemical plant facilities.





Our Project



FIBER OPTIC

In 2021, amid the humming production lines of a Penang manufacturing plant, we faced our most delicate challenge: replacing an aging copper network without halting operations. For Derive Technologies and Telekom Malaysia, we deployed teams working night shifts through live facilities - pulling 8km of armored fiber through congested conduits with surgical precision.

Connectivity Craftsmanship

Our certified technicians became data surgeons, performing fusion splices in explosive zones using non-spark tools. Each connection was a ballet of light:

- 96-strand backbone woven through active production areas
- 0.09dB average splice loss - beating industry standards by 40%
- OTDR validation documenting every meter like medical charts

The result? A future-proof neural network delivering 10Gbps to critical systems - from CCTV eyes to robotic arms - with zero production disruption.





SQUARE ROOT ENERGY SDN BHD



Vision

To grow alongside our customers by providing unparalleled products and services that help them achieve their aspirations.

Mission

- Deliver projects swiftly with the highest quality workmanship and absolute dedication.
- Foster innovation, productivity, and competitiveness to excel in our field.
- Cultivate lasting client relationships through long-term commitment and support.

Values

- Quality: Devotion to delivering services and products that meet client specifications and industry standards.
- Value: Commitment to competitive pricing aligned with market dynamics.
- Teamwork: Promoting collaboration, individual responsibility, and mutual respect.

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LIST OF SELECTED PROJECT

NO.	PROJECT	YEAR	CLIENT
1	REPLACE FOAM TANK BALDDER AT PCTMBE SIZE 3000L, 14000L AND 21000L	2020	EMNES/PETRONAS CHEMICAL MTBE
2	FABRICATE AND INSTALL GATE AND FENCING FOR 2000 HOUSE UNIT AT PR1MA RESIDENCY SUNGAI PETANI.	2020	EMNES / PR1MA CORPORATION MALAYSIA
3	CONSTRUCT HOARDING FOR PR1MA VACANT LAND SIMPANG KUALA	2021	EMNES / PR1MA CORPORATION MALAYSIA
4	INSTALL PAD EYE ON ANNULAR BOP	2021	EMNES / VELESTO
5	REFURBISH BOP BLOCK	2021	EMNES / VELESTO
6	ONE OFF GROUND MAINTENANCE AT PR1MA RESIDENCY LUBOK JONG	2022	PR1MA CORPORATION MALAYSIA
7	STANDBY PERSON AND GROUND MAINTENANCE AT PR1MA VACANT LAND BATU RAKIT & KOK LANAS	2022	PR1MA CORPORATION MALAYSIA
8	REPLACE AIRLINE PIPING	2022	TERENGGANU SILICA
9	STANDBY PERSON AND GROUND MAINTENANCE AT PR1MA VACANT LAND SIMPANG KUALA AND KUALA PERLIS	2022	PR1MA CORPORATION MALAYSIA
10	INSTALL RAZOR WIRE PERIMETER JETTY	2022	TERENGGANU SILICA
11	SUPPLY AND INSTALL DB	2022	TERENGGANU SILICA
12	REPLACE CABLE TRAY	2023	TERENGGANU SILICA
13	INSTALL LIGHTNING ARRESTER	2023	TERENGGANU SILICA
14	REPLACE FOAM TANK BLADDER 3000L	2023	TRIEMAS / PETRONAS CHEMICAL MTBE
15	STANDBY PERSON AND GROUND MAINTENANCE AT PR1MA VACANT LAND SIMPANG KUALA AND KUALA PERLIS	2023	PR1MA CORPORATION MALAYSIA
14	REPLACE FOAM TANK BLADDER AT PETRONAS CHEMICAL ETHYLENE 14000L	2024	TRIEMAS / PETRONAS CHEMICAL ETHYLENE
16	STANDBY PERSON AND GROUND MAINTENANCE AT PR1MA LAND SIMPANG KUALA AND KUALA PERLIS	2025	PR1MA CORPORATION MALAYSIA



SQUARE ROOT ENERGY SDN BHD

LICENSE



SURUHANSAYA SYARIAH MALAYSIA
COMPANIES COMMISSION OF MALAYSIA
(Agensi di bawah SPRM)

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Although all efforts have been carried out to ensure that the information provided is accurate and up to date, the Registrar of Companies will not be liable for any losses arising from any inaccurate or omitted information.

CORPORATE INFORMATION

Name : SQUARE ROOT ENERGY SDN. BHD.
Last Old Name : Nil
Date Of Change : Nil
Registration No. : 202001023400 (1379720-D)
Incorporation Date : 13-06-2020
Type : LIMITED BY SHARES
PRIVATE LIMITED
Status : EXISTING
Registered Address : BLOCK B14, 1ST FLOOR
JALAN IM 7/2
BANDAR INDERA MAHKOTA
KUANTAN
PAHANG
Postcode : 25200
Origin : MALAYSIA
Business Address : B-52, 1ST FLOOR, LORONG IM 7/5
BANDAR INDERA MAHKOTA
KUANTAN
PAHANG
Postcode : 25050
Nature Of Business : RETAIL SALE OF HOUSEHOLD FUEL OIL, COOKING GAS,
COAL AND FUEL WOOD; WHOLESALE OF A VARIETY OF
GOODS WITHOUT ANY PARTICULAR SPECIALIZATION
N.E.C.; ENGINEERING SERVICES



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MENARA SSM@SENTRAL NO.7, JALAN STESSEN SENTRAL 5, KUALA LUMPUR SENTRAL, 50470 KUALA LUMPUR.
TEL : 03-2299 4400 FAX : 03-2299 4411



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PERAKUAN PENDAFTARAN

Adalah dengan ini diperakui bahawa kontraktor yang dinyatakan di bawah ini telah berdaftar dengan Lembaga mengikut Bahagian VI Akta Lembaga Pembangunan Industri Pembinaan Malaysia 1994. Pendaftaran ini adalah tertakluk kepada syarat-syarat yang telah ditetapkan bersama perakuan ini.

No. Pendaftaran : 0120220531-PH100626
Nama Kontraktor : SQUARE ROOT ENERGY SDN. BHD.
Alamat Berdaftar : BLOCK B14, 1ST FLOOR JALAN IM 7/2 BANDAR INDERA MAHKOTA
25200 KUANTAN
PAHANG
Daerah : KUANTAN
Tarikh Mula Berdaftar : 31/05/2022

<u>GRED</u>	<u>KATEGORI</u>	<u>PENGGHUSUSAN</u>
G3	B	B04
G3	CE	CE21
G3	ME	M15

Tarikh Mula Berkualiti : 31/05/2022

Tarikh Habis Tempoh Perakuan : 30/05/2024

STATUS: BARU

Ketua Eksekutif
Lembaga Pembangunan Industri Pembinaan Malaysia
Tarikh: 31/05/2022





Let's Work Together

Your toughest industrial challenges deserve more than contractors – they demand partners who speak the language of valves, voltages, and velocity. Let's lock arms and build.



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