



Water Engineering Technology Sdn. Bhd.

The Water Specialist

Company Profile





“

Water is the
driving force
of all nature.”

– Leonardo Da Vinci



About Us

We are known worldwide as “**WET**”, or **Water Engineering Technology Sdn Bhd** and proudly one of the leading Mechanical and Electrical (M&E) contractors in Malaysia. With over 38 years of experience and knowledge in the water supply and wastewater infrastructure industry under our belt, **WET** is capable of providing complete M&E solutions from design, supply, install, test and commission for water intakes, water treatment plants, sewage treatment plants and pumping stations. We are also able to handle the upgrading, rehabilitation, operation and maintenance of these facilities.

Wholly owned by LLC Berhad, and together with our sister company, LLC Infra Sdn Bhd, a leading Civil and Structural (C&S) Water Infrastructure Specialist, **WET** is perfectly positioned to provide complete C&S and M&E solutions for water and dam projects, fulfilling the full EPCC (Engineering, Procurement, Construction and Commissioning) requirements.

Corporate Structure



LLC BERHAD

(Formerly known as Loh & Loh Corporation Berhad)

MECHANICAL & ENGINEERING



Water Engineering Technology Sdn Bhd 100%

WET O&M Sdn Bhd 100%

WET Sales & Services Sdn Bhd 100%

WET Envitech Sdn Bhd 50%

RENEWABLE ENERGY

1 Seri Merdeka Sdn Bhd 100%

Thinkhouse Communications Sdn Bhd 100%

Pelus Hidro Sdn Bhd 70%

Kerian Energy Sdn Bhd 95%

CIVIL & STRUCTURAL

LLC Infra Sdn Bhd (Formerly known as Loh & Loh Constructions Sdn Bhd) 100%

Jutakim Sdn Bhd 100%

Quality Quarry Sdn Bhd 68%

Salcon Loh & Loh JV Sdn Bhd 50%

PROPERTY DEVELOPMENT

LLC Properties Sdn Bhd (Formerly known as Loh & Loh Development Sdn Bhd) 100%

Millenium Creation Sdn Bhd 100%

Turf-Tech Sdn Bhd 100%

Green Heights Developments Sdn Bhd 100%

Decorus Development Sdn Bhd 100%

Medius Developments Sdn Bhd 100%



Our
Core
Activities

1

WATER

2

WASTEWATER

3

**UPGRADING &
REHABILITATION**

4

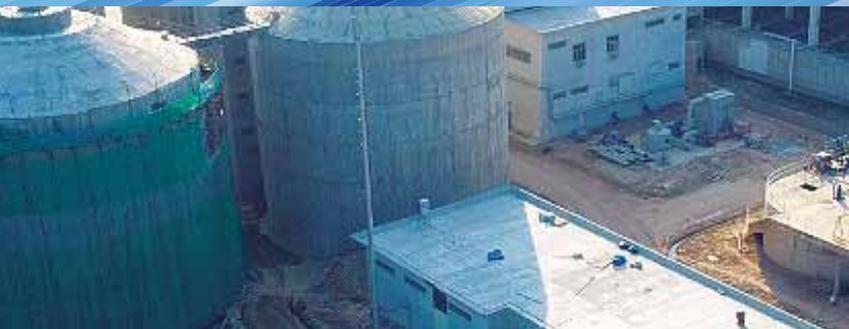
**RENEWABLE
ENERGY**

5

**OPERATION &
MAINTENANCE**



EPCC Solution
Intake
Pumping Station
Water Treatment Plant



Pumping Station
Sewage Treatment Plant



EPCC Solution
Intake
Pumping Station
Water Treatment Plant



Concession



Intake
Pumping Station
Water Treatment Plant
Sewage Treatment Plant

Explicitly designed to be a complete one-stop answer to any of our clients' needs, **WET** is surely the superior choice. In-house integration obviously results in improved coordination, a more centralized command centre, better designs and most importantly, reducing capital and operational costs due to value engineering of both C&S and M&E works.

Three of our renowned achievements are the 270Mld RAPID Raw Water Treatment Package for Petronas, the 125Mld Sandakan and the 48Mld Sipitang Oil and Gas Industrial Park water supply schemes for the Sabah state waterworks department. We have also completed the proposed turnkey contract to upgrade and rehabilitate the Batu Kitang Water Treatment Plant 3 from 200Mld to 400Mld for Kuching Water Board.

WATER EPCC Solution



270Mld RAPID Raw Water Treatment Package 16B - Pengerang, Johor



125Mld Sandakan Water Supply Scheme Phase 2 - Sabah



Design, Build and Turnkey Contract for the Proposed Upgrading and Rehabilitation of Batu Kitang Water Treatment Plant 3 (Module 5 & 6) from 200Mld to 400Mld - Kuching, Sarawak



48Mld Water Supply Scheme to SOGIP, Sipitang - Sabah

WET is responsible for the largest water intake project in Malaysia - the 2300Mld Semantan Intake, which is part of the Pahang – Selangor Raw Water Transfer Project.

Our other projects include the 450Mld Intake in Sungai Selangor, the 600Mld Intake in Semenyih, the 200Mld Intake at the Kertih Integrated Petrochemical Complex, Terengganu and the 135Mld Intake in Telibong, Sabah.

WATER Intake



2300Mld Pahang-Selangor Raw Water Transfer Scheme, Semantan Intake - Pahang



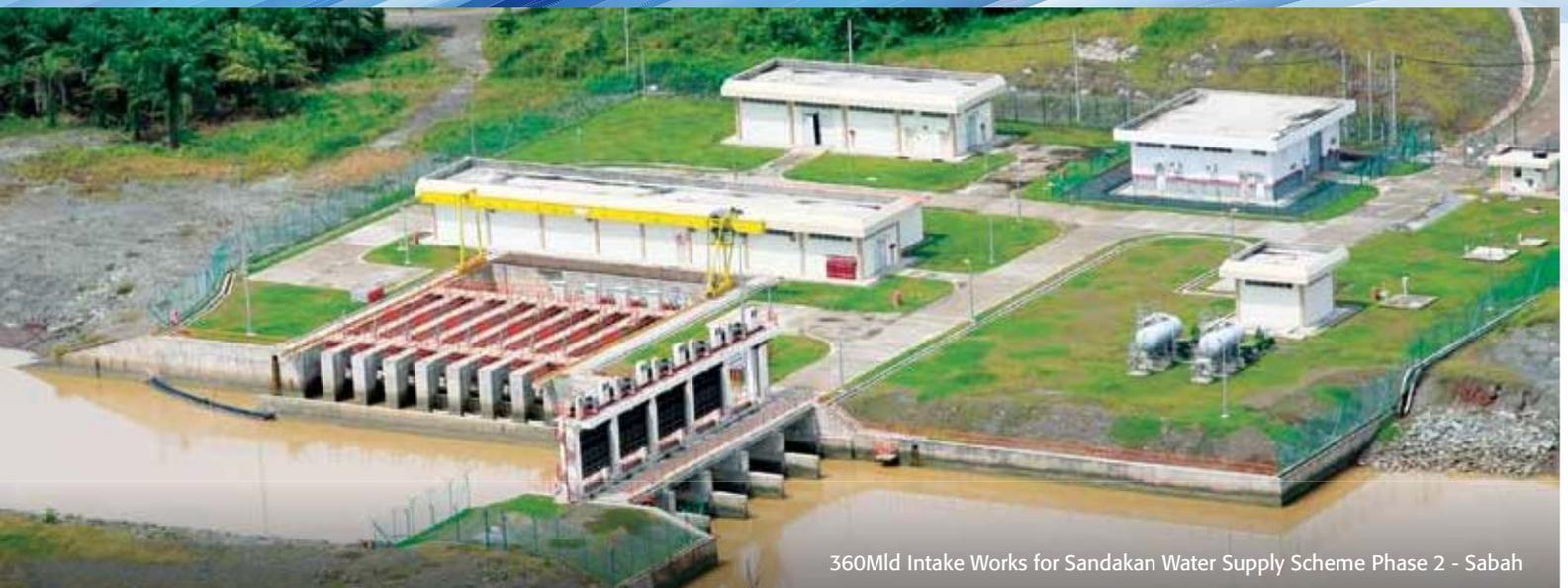
600Mld Upgrading of Intake Plant for Semenyih Water Supply Scheme - Selangor



135Mld Intake Works for Telibong Water Treatment Plant, Kota Kinabalu - Sabah



450Mld Sg. Selangor Phase 2 Stage 2 Intake Plant - Selangor



360Mld Intake Works for Sandakan Water Supply Scheme Phase 2 - Sabah

Wanting to move huge amounts of water from one place to another requires the help of a pumping station. Location and good design plays a crucial part in the efficiency of a plant, resulting in optimum performance and trimmed costs.

The crown jewel among our many achievements is the largest pump station in the country – the 2300Mld Semantan Pump Station, which is a part of the Pahang - Selangor Raw Water Transfer Scheme.

WATER Pumping Station



2300Mld Pahang-Selangor Raw Water Transfer Scheme, Semantan Raw Water Pumping Station
(12 x 300Mld 2500kW Raw Water Pumpset) - Pahang



2300Mld Pahang-Selangor Raw Water Transfer Scheme, Semantan Raw Water Pumping Station (12 x 2500kW Vertical Slip Ring Motors and 6.6kV MCC Panels) - Pahang



Sg. Selangor Water Supply Scheme Phase 2 Stage 2 (DSS2) Package 4 M&E Works at Bukit Badong and Reservoir (2 x 142Mld 1500kW and 3 x 72Mld 810kW Treated Water Pumpset) - Selangor



Jus Dam Raw Water Transfer Pumping Station (3 x 100Mld 800kW Pumpset) - Melaka

We all need clean water to survive.

With our exceptional expertise on the water treatment process systems, all of **WET** commissioned water treatment plants produce water quality exceeding the AWWA and MWA water quality standard set requirements. Our tube settlers systems are designed by our own capable engineers to the highest standards.

The more notable projects from a long list of our achievements are the 2 x125Mld Sungai Rasa, the 72Mld Sri Gading, the 40Mld LWS Beaufort, the 55Mld Kudat and the 172Mld Semangar Water Treatment Plants.

WATER Treatment Plant



Sg. Selangor Water Supply Scheme Phase 3, 2 x 125Mld Sg. Rasa Water Treatment Plant - Selangor



172Mld Water Treatment Plant Semangar - Johor



45Mld Merbau Chondong Water Treatment Plant Phase 1 - Kelantan



Sri Gading Water Supply Scheme Stage 2 Package 2,
72Mld Water Treatment Plant - Johor



55Mld Kudat Water Supply - Sabah



55Mld Kudat Water Supply - Sabah



40Mld LWS Beaufort Water Treatment Plant Phase2 - Sabah



40Mld LWS Beaufort Water Treatment Plant Phase2 - Sabah

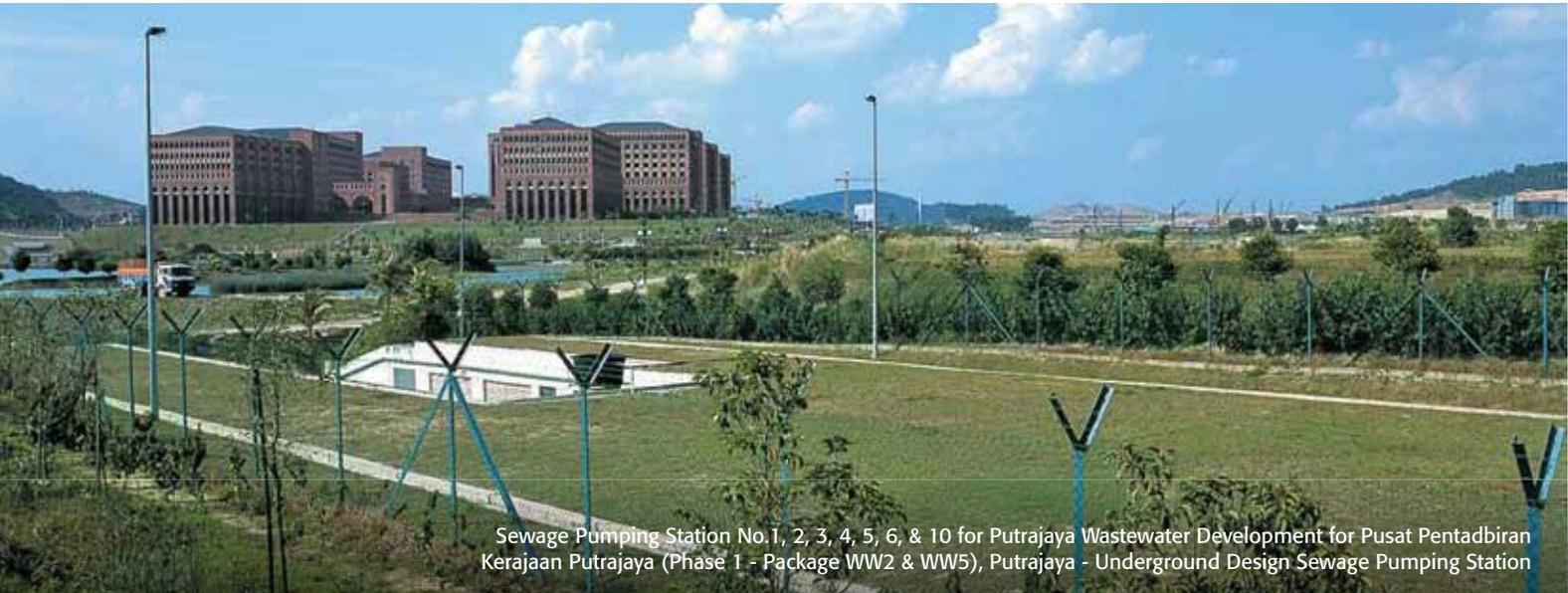
WET has fully completed and commissioned one of the largest raw sewage pumping stations for our governments' administrative centre in Putrajaya. A state of the art location, we plan to construct many more to meet the needs of our ever-growing population.

We were involved in 10 underground station projects. The three most noteworthy examples are the PS10, PS5 and PS6 Sewage Pumping Stations, serving a population equivalent (PE) of 165,000, 220,000 and 100,000 respectively.

WASTEWATER Sewage Pumping Station



100,000 PE Sewage Pumping Station PS6 - Putrajaya



Sewage Pumping Station No.1, 2, 3, 4, 5, 6, & 10 for Putrajaya Wastewater Development for Pusat Pentadbiran Kerajaan Putrajaya (Phase 1 - Package WW2 & WW5), Putrajaya - Underground Design Sewage Pumping Station



220,000 PE Sewage Pumping Station PS5 - Putrajaya

WET has worked closely with the National Sewage Scheme in keeping up with the responsibility of making sure it is safe to re-introduce the newly processed water back into the environment. This involves a combination of not only mechanical and chemical processes but also the biological processes.

Projects of ours that stand out are the 240,000 PE Kuala Sawah and the 300,000 PE Sungai Udang plants plus our latest addition – the 920,000 PE Langat Centralized STP located in Kajang.

WASTEWATER Sewage Treatment Plant



Langat Centralised Sewage Treatment Plant (920,000 PE) - Kajang, Selangor



Sg. Udang Centralised Sewage Treatment Plant
(300,000 PE) - Melaka



Sg. Udang Centralised Sewage Treatment Plant
(300,000 PE) Oxidation Ditch - Melaka



Kuala Sawah Sewage Treatment Plant (240,000 PE)
- Negeri Sembilan



Sg. Udang Centralised Sewage Treatment Plant
(300,000 PE) Grit Scrubber - Melaka



Kuala Sawah Sewage Treatment Plant (240,000 PE)
Clarifiers - Negeri Sembilan



Kuala Sawah Treatment Plant (240,000 PE)
Drum Screens - Negeri Sembilan

WET's vast experience and track record in water and wastewater enables us to be the leading company in providing upgrading and rehabilitation solutions to existing treatment and pumping plants. Upgrading and rehabilitation is a complex process that requires careful plant audit analysis of the entire existing system and equipment to identify areas for improvement. Upgrading and rehabilitation yields vast advantages such as a significant increase in plant output capacity with low additional costs, short improvement time and leaves a small foot print where little or no additional land is required.

Some of **WET's** notable upgrading projects include the Lambir Water Treatment Plant in Miri from 80Mld to 160Mld and the Batu Kitang Water Treatment Plant from 200Mld to 400Mld. Our rehabilitation track record includes the 450Mld Sg. Langat Treatment Plant in Selangor as well as the 180Mld Old Bertam Treatment Works in Melaka and the 176Mld Water Treatment Plant in Port Moresby, Papua New Guinea.

Upgrading & Rehabilitation



Rehabilitation and Upgrading of Sg. Langat 450Mld Water Treatment Plant Contract No.SL3 - Selangor



Rehabilitation of 180Mld Old Bertam Water Treatment Plant, Upgrade of Clarifiers with WET tube settlers - Melaka



Upgrading of 176Mld New Water Treatment Plant at Mt. Eriana, Port Moresby - Papua New Guinea



The Proposed Upgrading of Module 4, Lambir Water Treatment Plant from 80Mld to 160Mld - Miri, Sarawak



The Proposed Upgrading of Module 4, Lambir Water Treatment Plant from 80Mld to 160Mld - Miri, Sarawak

With our vast know-how in water infrastructure, **WET** has ventured into the concession business with the acquisition of the 14MW Kerian and the 25.8MW Pelus Small Hydro concessions.

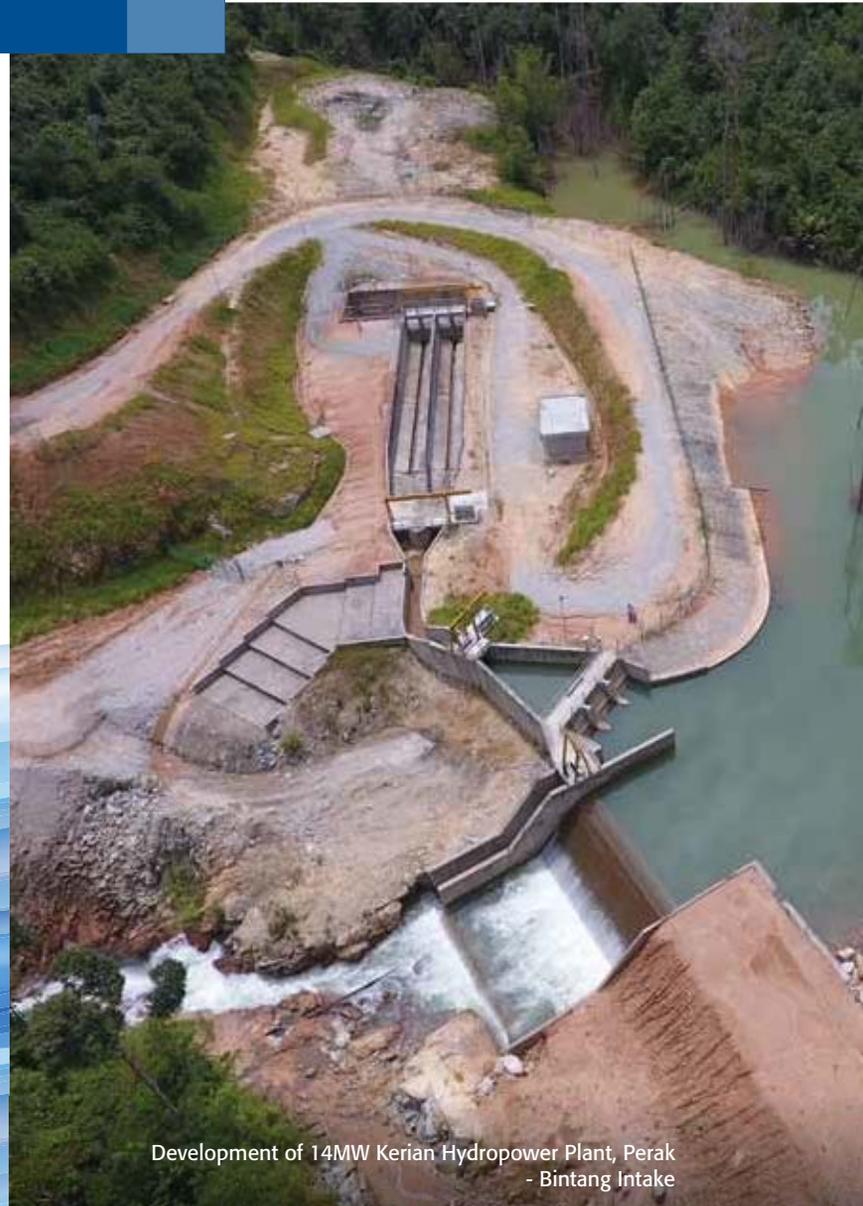
This would involve the design, construction, maintenance and production of energy for the objective of sale to Tenaga Nasional Bhd under the Renewable Energy Power Purchase Agreement (RePPA) for a 21-year duration.

An undertaking that would establish a more stable source of revenue and also pave the way for more opportunities especially in the small hydro and other renewable energy concession field.

Renewable Energy



Development of 14MW Kerian Hydropower Plant, Perak
- Kerian Intake



Development of 14MW Kerian Hydropower Plant, Perak
- Bintang Intake



Development of 14MW Kerian Hydropower Plant, Perak
- Kerian Power House



Development of 14MW Kerian Hydropower Plant, Perak
- Kerian Power House



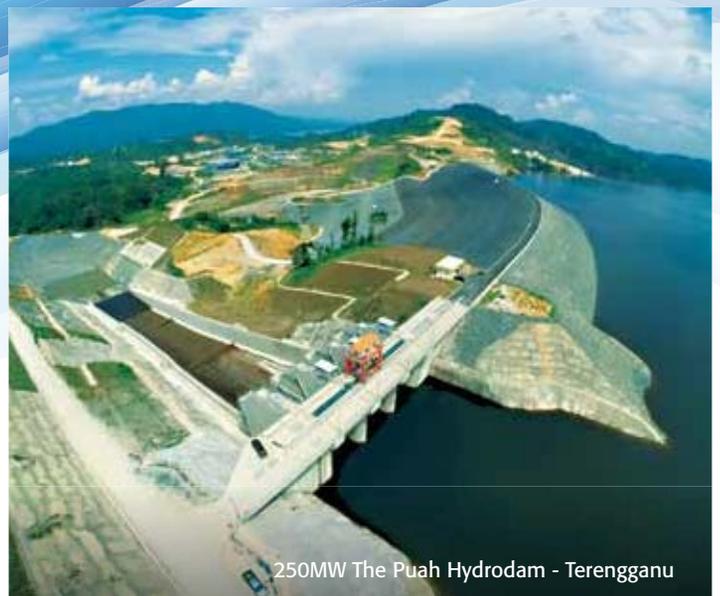
Development of 14MW Kerian Hydropower Plant, Perak
- Bintang Power House



Development of 14MW Kerian Hydropower Plant, Perak
- Bintang Power House



15MW Tembat Hydrodam - Terengganu



250MW The Puah Hydrodam - Terengganu

As designers for the treatment and pumping processes, **WET** has the added advantage of having detailed knowledge and a better understanding of the equipment, processes and operating parameters for maintaining and operating water and wastewater infrastructures. This experience and knowledge enables **WET** to provide a more economical, worry-free and efficient water and wastewater infrastructure.

Our current projects are located mainly in Sabah, with the 125Mld Sandakan WTP, including the Betotan Dam, Sungai Segaliud Intake and Kebun Cina Reservoir and pipelines. The 55Mld Kudat WTP and Milau Dam plus the 48Mld scheme in Sipitang are also some of our projects. Closer to home is the Pahang – Selangor Raw Water Transfer Scheme.

Operation & Maintenance



Operation and Maintenance Contract for 125Mld Sandakan Water Supply Scheme Phase2 - Sabah



Operation and Maintenance Contract for 125Mld Sandakan Water Supply Scheme Phase2 - Sabah



Operation and Maintenance Contract for 48Mld Water Supply Scheme to SOGIP, Sipitang - Sabah



Operation and Maintenance Contract for 55Mld Kudat Water Supply - Sabah



Custody, Care, Operation and Maintenance Contract for Pahang-Selangor Raw Water Transfer Scheme - Pahang

At **WET**, we believe that every successful company is only as good as its people.

The best quality service can only be delivered by the best talents and the management works hard to provide everything needed to nurture our best assets and to maintain our standard as a top engineering company.

Our People





As we continually strive to reach a higher level of excellence, **WET** has garnered a few accolades along the way...

Our Certifications

- SIRIM QAS ISO 9001:2015
- IQNET ISO 9001:2015
- CIDB SPKK Grade G7
- UPKJ Sarawak Kelas A
- SPAN IPA Permit Type C1 & C2 for Water Supply Works
- SPAN IPA Permit Type C1 & C2 for Sewage Works
- SPAN IPA Permit Type D for Water Supply Works
- SPAN IPA Permit Type D for Sewage Works
- TNB Registered Contractor
- IWK Registered Contractor





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(55314-K)

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