

Provision of Management Systems Support and Technical Consultation and Learning Services Outside of Formal Education

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**One-Stop
Industrial
Solution
Provider.**

**1 Raffles Place, Tower 2, #19-61,
One Raffles Place, Singapore 048616
+65 89155790
www.petreltech.com
admin@petreltech.com**


About Us

Established in 2015 and headquartered in Singapore, Petreltech Pte Ltd has emerged as a trusted partner in management systems, engineering solutions, and compliance consulting. With an unwavering commitment to quality, precision, and customer satisfaction, we have built a reputation for delivering exceptional services that address the evolving challenges of modern industries.

Our multidisciplinary expertise enables us to provide tailored solutions that meet the unique requirements of each client, ensuring their success in highly competitive markets. From small businesses to large enterprises, we support organizations across diverse sectors, including oil and gas, manufacturing, construction, and technology. Our comprehensive service portfolio encompasses globally recognized certifications such as:

- ISO 9001:2015 (Quality Management Systems)
- ISO 14001:2015 (Environmental Management Systems)
- ISO 45001:2018 (Occupational Health and Safety Management Systems)
- ISO 27001:2022 (Information Security Management Systems)
- ISO 29001 (QMS for Petroleum, Petrochemical, and Natural Gas Industries)
- ISO 50001 (Energy Management Systems)
- ISO 22301 (Business Continuity Management Systems)
- ISO 46001 (Water Efficiency Management Systems)
- ISO 55001 (Asset Management)
- ISO 37001 (Anti-Bribery Management Systems)
- ISO 26000 (Environmental, Social, and Corporate Governance)
- ISO 21001 (Educational Management Systems)
- ISO 29993 (Learning Services for Non-Formal Education and Training)
- ISO 17025 (Calibration Management Systems).

"We seek precision and continual improvement to delight our clients and candidates in everything we do."



We also excel in providing consultancy and support for American Petroleum Institute (API) certifications, including API Q1 10th Edition and API Q2 2nd Edition. These certifications reflect our commitment to enhancing operational efficiency, safety, and compliance in the oil and gas industry, spanning upstream (exploration and production), midstream (pipelines and transportation), and downstream (refineries).

In addition to compliance support, we specialize in merger and acquisition technical due diligence, delivering actionable insights and strategic solutions to ensure seamless transitions and operational sustainability.

Our commitment to fostering excellence extends to training and competency development. We offer a diverse range of industrial training programs tailored to align with emerging trends, including:

- Six Sigma
- Total Quality Management
- Risk Management
- Management of Change (MoC)
- Failure Mode and Effects Analysis (FMEA)
- Fire Safety
- Process Safety Management
- Root Cause Analysis (RCA)
- Incident Management
- Operational Excellence Management
- Project Management
- Digital Transformation and Office Automation with IoT
- Gap Analysis and Training Needs Analysis

Our programs equip individuals and organizations with the necessary knowledge and skills to thrive in today's competitive and rapidly evolving business landscape.

At Petreltech, we integrate innovation and best practices into every project, fostering long-term partnerships with our clients. Our solutions not only ensure compliance but also drive continuous improvement, helping clients stay ahead in an ever-changing regulatory and market landscape.

With a footprint across Singapore, Brunei, Malaysia, Thailand, Indonesia, Egypt, Saudi Arabia, UAE, India, and the Philippines, our team consistently achieves exemplary standards of operational excellence. We have successfully sustained uninterrupted business operations while meeting rigorous quality, health, safety, and environmental (HSE) performance standards.

Whether in oil and gas, manufacturing, construction, or technology, Petreltech empowers organizations to achieve their strategic objectives through sustainable and innovative solutions, ensuring business continuity and long-term success.





Our Scope

Provide Management Systems Support and Technical Consultation and Learning Services Outside of Formal Education

Our Mission

We are centered around delivering quality results by harnessing safe technology & leveraging the expertise of qualified resources. We are dedicated to embracing the principles of Industry 4.0, prioritizing safety & reliability, utilizing advanced technologies, & ultimately achieving the utmost customer satisfaction.

Our Vision

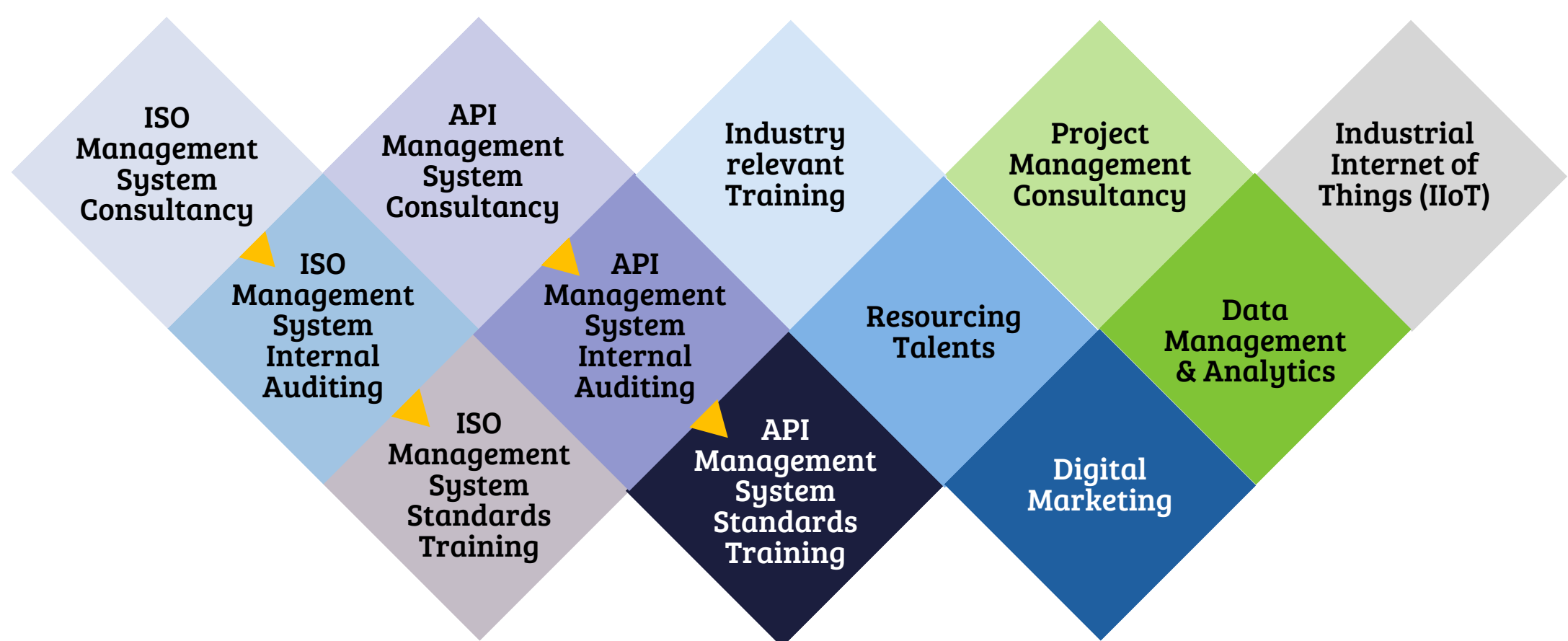
To capitalize on our core strengths & expand our presence on a global scale. We are committed to fostering business continuity & a sustainable future, both for our organization & our esteemed clients. Through our endeavors, we strive to promote a work environment that upholds the values benefiting all stakeholders involved.

Our Practice

We are driven by passion & unwavering commitment to provide comprehensive guidance & support for adhering to and implementing industry standards & procedures. We strive to ensure compliance with national & international laws & regulations, fostering an environment of business excellence.

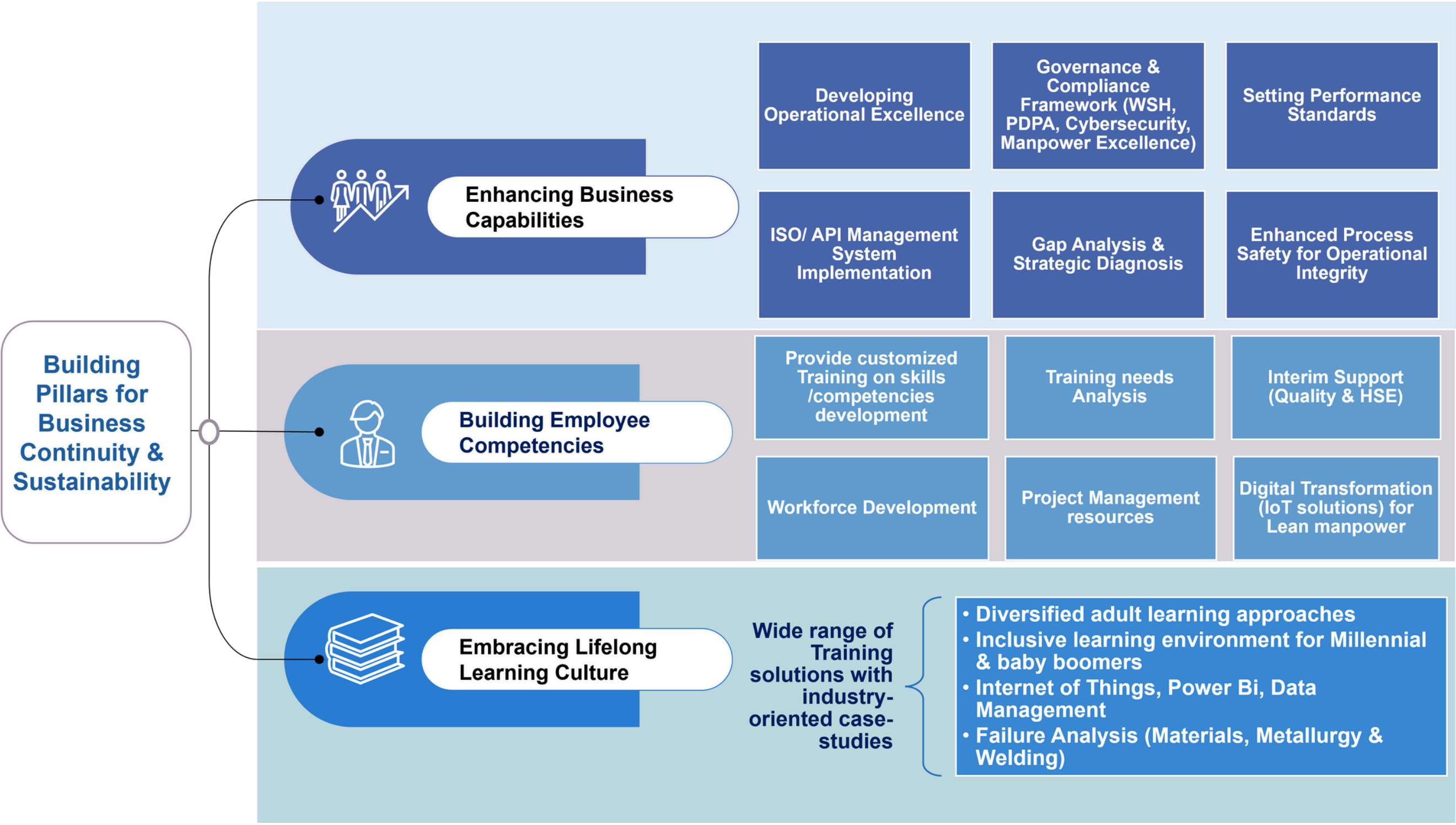
Our Core Services

- ISO CERTIFICATIONS
- ISO / API MANAGEMENT SYSTEM CONSULTANCY
- ISO / API INTERNAL AUDITING
- INDUSTRY ORIENTED TRAINING TO MEET GLOBAL STANDARDS
- MARKET ORIENTED TRAINING TO MEET GLOBAL STANDARDS

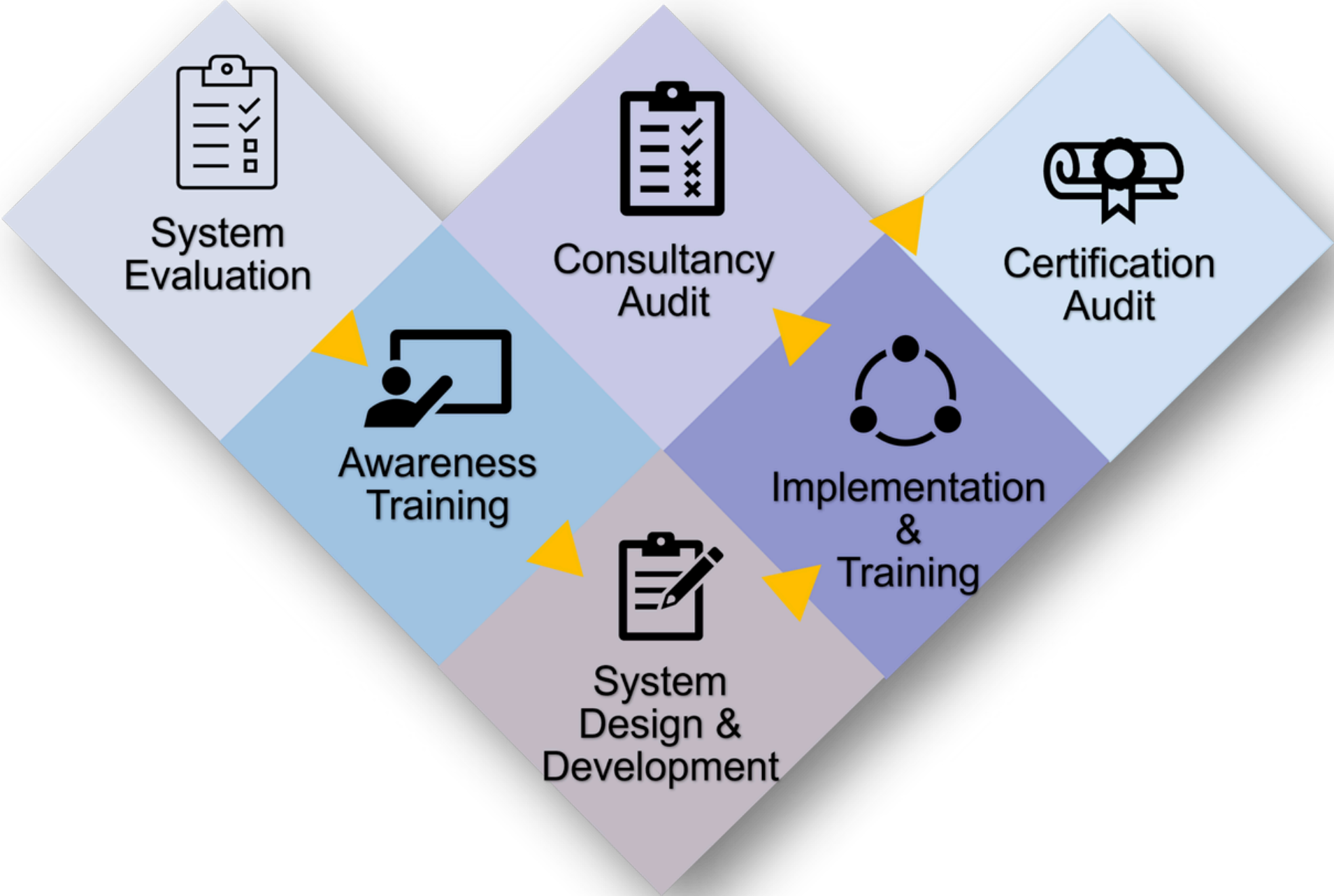


Our Strength

CAPABILTIES BUILDING PILLARS



STRATEGY



ISO CERTIFICATIONS

Petreltech offers comprehensive services in ISO management system accreditation. We have established a strategic collaboration with a Canadian-accredited service provider based in India to support our ISO certification processes, ensuring seamless compliance and expert guidance throughout the accreditation journey.

ISO 9001:2015 (Quality Management System)



Benefits:

- 1.Improved Customer Satisfaction:** Ensures consistent quality in products/services, meeting or exceeding customer expectations.
- 2.Enhanced Efficiency:** Streamlined processes reduce errors and waste, improving operational efficiency.
- 3.Market Competitiveness:** Certification demonstrates credibility, attracting new clients and markets.
- 4.Risk Management:** Encourages a proactive approach to identifying and mitigating risks.
- 5.Continuous Improvement:** Establishes a framework for ongoing performance enhancements.

ISO 14001:2015 (Environmental Management System)



Benefits:

1. **Environmental Protection:** Minimizes environmental impact by improving resource efficiency and waste management.
2. **Regulatory Compliance:** Helps meet environmental laws and regulations, reducing legal risks.
3. **Cost Savings:** Reduces energy consumption, waste disposal costs, and inefficiencies.
4. **Improved Reputation:** Demonstrates environmental responsibility, enhancing brand value and customer trust.
5. **Sustainability Focus:** Aligns business operations with global sustainability goals, attracting eco-conscious stakeholders.

ISO 45001:2018 (Occupational Health and Safety Management System)



Benefits:

1. **Improved Workplace Safety:** Reduces the risk of work-related injuries, illnesses, and accidents.
2. **Compliance Assurance:** Helps comply with health and safety regulations, avoiding penalties and legal issues.
3. **Employee Morale:** Creates a safer work environment, boosting employee confidence and satisfaction.
4. **Reduced Costs:** Lowers costs associated with workplace incidents, including compensation and insurance premiums.
5. **Proactive Risk Management:** Encourages identifying and addressing risks before they lead to incidents.

ISO 27001:2022 (Information Security Management System)



Benefits:

- 1.Data Security:** Protects sensitive information from unauthorized access, breaches, and theft.
- 2.Regulatory Compliance:** Ensures adherence to data protection laws and standards like GDPR.
- 3.Business Continuity:** Safeguards against cybersecurity threats, ensuring uninterrupted operations.
- 4.Enhanced Trust:** Builds customer and stakeholder confidence in your data protection measures.
- 5.Risk Mitigation:** Identifies vulnerabilities and establishes controls to mitigate information security risks.

Summary of Overall Benefits:

- **Global Recognition:** ISO certifications demonstrate international standards compliance, enhancing credibility and trust.
- **Improved Operations:** Frameworks encourage efficiency, innovation, and systematic management.
- **Long-term Growth:** Supports sustainability, resilience, and adaptability to changing business needs

Our Engineering & Documentation Capabilities

Process Simulation

- Development of Process and Instrumentation Diagrams (P&ID).
- Creation of Process Flow Diagrams (PFD) to optimize workflows.

Vessel & Piping Design

- Vessel and piping sizing for optimal performance.
- Mechanical design adhering to ASME VIII Div. 1.
- Piping design compliant with ASME B31.3.

Data Sheets & Technical Specifications

- Development of equipment and instrument data sheets.
- Preparation of technical specifications for seamless communication between stakeholders.

Electrical & Control Design

- Electrical schematics design.
- Control philosophy encompassing narratives, cause-and-effect diagrams, alarm management, and trip settings.

3D & 2D Modeling

- 3D modeling of installations, piping layouts, and support structures.
- Detailed 2D drawings for fabrication and construction.

Regulatory Compliance

- Expertise in UKCA/CE regulations and ATEX documentation.

Our Engineering & Documentation Capabilities

HAZOP, HAZID & Risk Mitigation

- Conducting HAZOP (Hazard and Operability) studies to systematically identify and assess potential risks in process design and operations.
- HAZID (Hazard Identification) studies to detect early-stage risks and recommend mitigation strategies.
- Implementation of risk mitigation measures to enhance safety, regulatory compliance, and operational efficiency.
- Facilitation of risk assessments with multidisciplinary teams to ensure comprehensive hazard control.
- Collaboration with third-party experts for independent verification and best-practice implementation.

Documentation Services

- Development of customer manuals and data dossiers
- Creation of Standard Documentation Lists (SDRL)



Our Engineering & Documentation Capabilities

Fire & Gas Mapping (F&G)

- Comprehensive F&G mapping tailored to safety-critical systems in industrial facilities.
- Identification and strategic placement of detectors to ensure optimal coverage for fire and gas hazards.
- Integration with control systems to enable real-time monitoring and response.
- Adherence to international standards and best practices for safety system design.
- Customized solutions to address site-specific risks, ensuring maximum protection and operational safety.
- Supplier responsibility for arranging and conducting complete F&G mapping studies, including periphery and on-plot areas.
- Assignment of an approved third-party F&G supplier to ensure compliance and accuracy.
- Development of a structured F&G Mapping Study Methodology.
- Generation of a detailed F&G Mapping Report with findings and recommendations.
- Implementation of F&G mapping recommendations, including the selection and placement of detectors for optimal hazard coverage.

Key Differentiators

- **Supplier Responsibility Management:** Ensuring suppliers meet project and compliance requirements.
- **Third-Party Collaboration:** Coordinating with third-party experts for F&G and HAZOP studies.
- **Project-Specific Compliance:** Aligning with unique project specifications and industry standards.
- **End-to-End Support:** From engineering design to certification, we ensure a smooth journey for our clients.

PECB TRAINING



PECB is a leading certification body dedicated to fostering digital trust through comprehensive education, certification, and certificate programs across various disciplines. PECB has extensive network of over 2,600 partners and 2,100 trainers globally, ensuring you receive top-tier training and support, no matter where you are located, providing you with consistent quality and accessibility.

PECB certifications are distinguished by prestigious global accreditations, affirming both their value and your expertise. PECB certifications are validated by top-tier bodies including the International Accreditation Service (IAS-PCB-111), the United Kingdom Accreditation Service (UKAS-No. 21923), and the Korean Accreditation Board (KAB-PC-08) under ISO/IEC 17024 – General requirements for bodies operating certification of persons. Additionally, our certificate programs are validated by the accreditation from the ANSI National Accreditation Board (ANAB-Accreditation ID 1003) under ANSI/ASTM E2659-18, Standard Practice for Certificate Programs. For more details, visit <https://pecb.com/en/about>

Petreltech is proud to be an authorized partner of PECB, offering ISO training courses and facilitating certification for our clients through PECB.

CONSULTANCY SERVICES

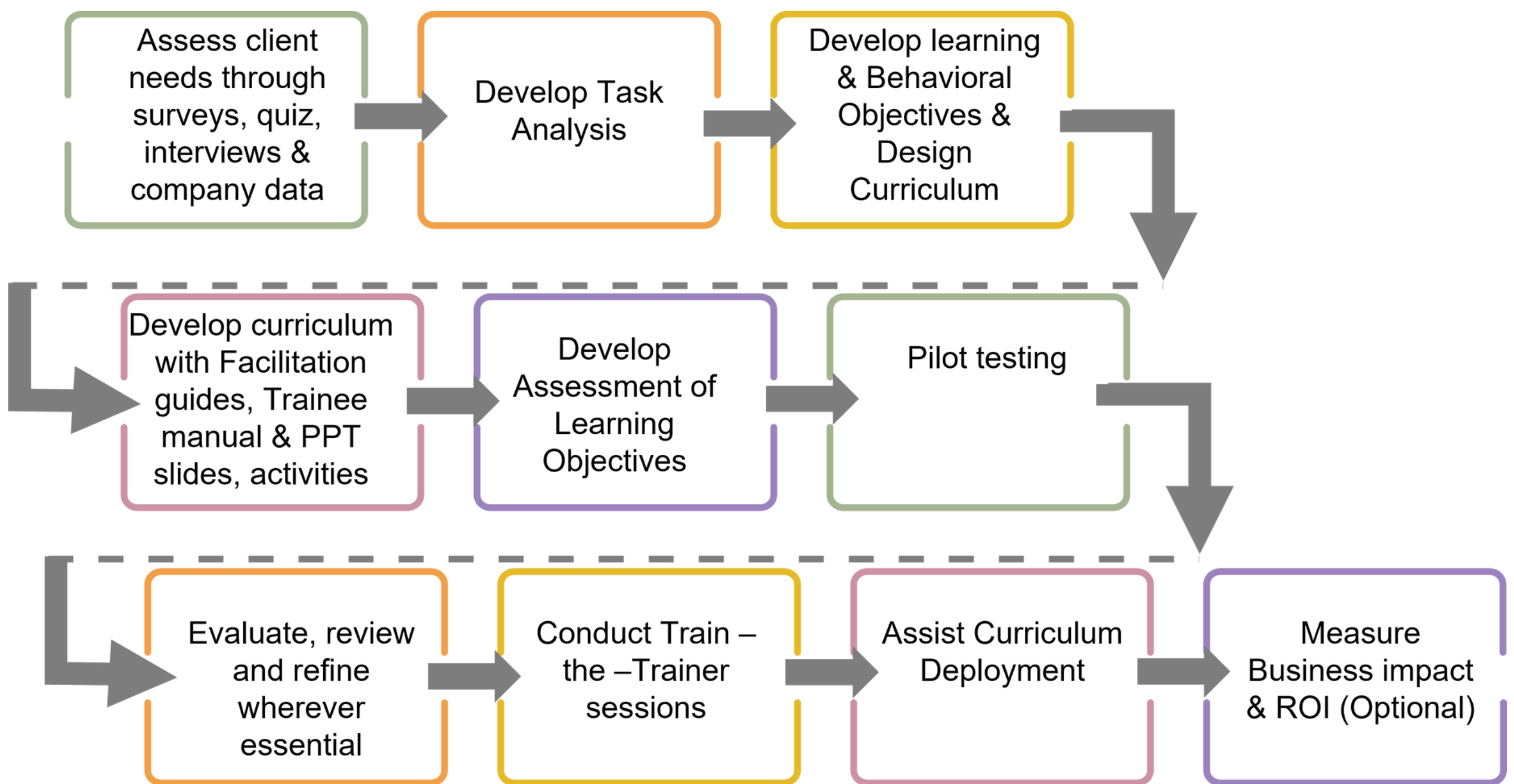
- API Q1 (Oil & Gas Manufacturing)
- API Q2 (Oil & Gas Services)
- ISO 9001:2015
- ISO 14001:2015
- ISO 45001:2018
- ISO 27001:2022
- ISO 27002:2022
- ISO 42001:2023
- ISO 28001:2022
- Personal Data Protection Act (PDPA)
- Compliance General Data Protection Regulation (GDPR)
- Anti-Bribery Management Standard - ABMS (ISO 37001:2016)
- Business continuity Management - BCM (ISO 22301:2019)
- Energy Management - EnMS (ISO 50001:2018)
- Water Efficiency Management System - WEMS (ISO 46001:2019)
- Environmental, Social & Corporate Governance -ESG (ISO 26000:2010)
- Calibration Management System - CMS (ISO 17025:2017)
- Asset Management (ISO 55001:2014)
- Laboratory Management (ISO 17025:2017)
- Food Safety Management (ISO 22000:2018)

- **Learning services outside formal education — Service requirements for Learning & Development / Training Professionals - ISO 29993: 2017**
- **bizSAFE Level 3 & biSAFE Star Consultancy Compliance & Regulations**
- **Gap Analysis**
- **Total Quality Management**
- **Merger and Acquisition**
- **Quality, Occupational Health, and Safety Environment Management**
- **ISO Integrated Management System (IMS) Fire & Process Safety Management (FSM)**
- **MHI Safety Case Consultancy**
- **Root Cause Analysis (RCA)**
- **Incident Management Failure Mode and Effects Analysis (FMEA)**
- **Operational Excellence Management**
- **Project Management**
- **Training Need Analysis and Consultancy Skills Development**
- **Digital Transformation**
- **Information Technology**
- **Office/ Workshop Automation with IoT (IIoT - Industrial Internet of Things)**
- **Robotic Process Automation (RPA)**
- **Data Visualization & Storytelling with Dashboards using Power Bi / Tableau / Excel**
- **Augmented Reality for Business Analysis**
- **Industry relevant Python programming**

TRAINING SOLUTIONS

Petreltech provides a comprehensive range of robust and customizable courses for online and in-house training. Our team comprises highly experienced, qualified, and competent professionals who are industry experts in their respective fields. Through our training programs, we empower our clients to achieve a state of unconscious competence, enabling them to perform skills with ease and proficiency. Our focus areas include operational excellence and risk management in the workplace, ensuring that our clients are equipped with the necessary knowledge and abilities to excel in their roles and mitigate potential risks effectively.

TRAINING STRATEGY



WHY CHOOSE PETRELTECH?

- **Expertise:** Our team comprises seasoned professionals with extensive experience in engineering design, compliance, and management systems.
- **Comprehensive Solutions:** We offer a one-stop solution for engineering, documentation, and certification needs.
- **Customer-Centric Approach:** Tailoring our services to meet the unique demands of each client.
- **Global Standards:** Ensuring compliance with international standards and regulations.



Our Experts

We are a community of dedicated professionals and entrepreneurs committed to driving growth and success, both for ourselves and our valued clients. With a team of seasoned experts boasting over 30 years of diverse industrial experience in operational excellence, quality management, and HSE (Health, Safety, and Environment) leadership, we deliver unparalleled guidance and support to empower businesses across the Asia Pacific and Middle East regions. Our expertise spans multiple industries, enabling us to provide tailored solutions that align with the unique needs of each client, fostering resilience and ensuring sustainable growth. We pride ourselves on creating a collaborative and forward-thinking environment, constantly embracing opportunities for innovation and advancement.

Credentials and Expertise

Our team holds a comprehensive range of qualifications and certifications to ensure excellence in every project we undertake:

- MOM Approved WSH Auditor
- Singapore Registered WSH Officer (WSHO)
- Environmental Control Officer (ECO)
- Fire Safety Manager (FSM)
- Accredited ACTA Trainer (ACTA)
- WSQ Diploma in Adult & Continuing Education (DACE)
- Certified Quality & HSE Advisor
- ISO 9001:2015 Lead Auditor
- ISO 45001:2018 Lead Auditor
- ISO 50001:2018 Lead Auditor
- ISO 27001:2022 Lead Auditor
- API Q1 & Q2 Auditor
- TapRooT® Advanced RCA Team Leader
- Noise Monitoring Officer
- Qualified Business & Data Analytics Expert

What Sets Us Apart

At the heart of our success is a commitment to continuous learning and improvement, ensuring we stay at the forefront of industry trends and technologies. Together, we strive to deliver value-driven results that empower businesses to achieve their strategic goals with confidence and reliability.



Petreltech Pte Ltd.,
1 Raffles Place, Tower 2, #19-61, One Raffles Place, Singapore
048616

WhatsApp, Viber and Telegram: +65 89155790

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email: admin@petreltech.com

