



VTT SOLUTIONS

Refractory · Insulation · Engineering

Solutions of Refractory

COMPANY PROFILE

VTT Solutions Co., Ltd.

2026

Refractory Engineering Excellence
for Refinery · Petrochemical · Power · Industrial



Company Overview

VTT SOLUTIONS

Who We Are

VTT Solutions Co., Ltd. is a specialized engineering contractor founded in 2024 by refractory and insulation specialists with over 10 years of hands-on field experience.

We provide long-term solutions — not just repairs — tailored to each client's equipment and operational requirements, executed to the highest quality and safety standards.

75/37 Seansuk Rd., T.Seansuk, A.Muang, Chonburi 20130

Registered Capital: 2,000,000 THB

10+

Years of Experience

2024

Year Established

API 936

Certified

14+

Projects Completed



Our Services

VTT SOLUTIONS

Comprehensive Engineering Solutions

Refractory Installation

Castable (LCC/MCC/HCC), Brick,
Ceramic Fiber, Hand Packing —
Furnace, Boiler, Incinerator

Thermal Insulation

Rockwool, Calcium Silicate, Ceramic
Fiber Blanket, Aluminium Jacket

Piping & Pipe Rack

Pipe installation, pipe rack fabrication
& erection, flange connection,
supports

Cutting & Welding

Boiler tube replacement, pipe cutting
& welding (E308/E309), structural
welding

Tank Painting & Coating

Surface preparation (Sa2.5), primer &
top coat, corrosion protection system

Inspection & QC

API 936 refractory inspection, anchor
verification, thickness check, dry-out
monitoring

Material Supply

Full range refractory and insulation
materials — local & imported

Project Engineering

Design, Method Statement, Dry-out
Procedure, Project Management



VTT SOLUTIONS

Technical Capabilities

What We Can Do

Refractory Materials

- ✓ Dense Castable (LCC, MCC, HCC)
- ✓ Insulating Castable
- ✓ Refractory Brick Lining
- ✓ Ceramic Fiber / Blanket
- ✓ Plastic Refractory / Ramming Mix
- ✓ Acid Resistant Castable (AR30-P)

Application Methods

- ✓ Conventional Casting / Pouring
- ✓ Hand Packing
- ✓ Gunning (Dry / Wet)
- ✓ Vibration Casting
- ✓ Brick lining
- ✓ Insulation lining (Ceramic lining)

Supporting Works

- ✓ Anchor Design & Welding
- ✓ Dry-out / Pre-heat Procedure
- ✓ Temperature Recording (12-point)
- ✓ Boiler Tube Cutting & Welding
- ✓ Pipe Installation & Pipe Rack
- ✓ Rockwool & Aluminium Jacket



API 936

Refractory Personnel Certification

Primary international standard for refractory inspection and installation. Our Project Manager holds API 936 Certification — ensuring all works meet Refinery & Petrochemical requirements.

API 936 Training

Site Manager Level

Our Site Manager / Planner has completed official API 936 Training, enabling direct application of international installation standards on every project.

AGC Plibrico

Monolithic Refractory Training 2024

Advanced training by AGC Plibrico Japan covering monolithic refractory systems, application techniques, and QC procedures.



Equipment & Tools

VTT SOLUTIONS

Ready to Mobilize

01

Refractory Mixer

(Electric, for castable preparation)

02

Gunning Machine

(Wet/dry spray application)

03

Welding Set

(TIG/MMA for anchors & tube work)

04

Cutting Equipment

(Oxy-fuel & plasma cutting)

05

Temperature Recorder

(12-point multicolor, calibrated)

06

Electric Dry-out Set

(Controlled cure with heating elements)

07

Confined Space Kit

(Gas detector, lifeline, tripod, fan)

08

Scaffold & Access Equipment

(Adjustable for elevated work)



Reference Projects 2024–2026

VTT SOLUTIONS

Proven Track Record

Client	Project / Scope	Type	Year
Thai Acrylic Fiber	Boiler #4 — Refractory Repair + Boiler Tube Replacement (308 DB)	Boiler	2026
Thai Acrylic Fiber	Boiler #2 — Incinerator Refractory Repair	Incinerator	2026
AVA Grand Energy	Repair Refractory of Boiler (Hand Packing + Dry-out)	Boiler	2026
MLCS ASIA	Tank Replacement + Rockwool Insulation + Aluminium Jacket	Tank	2026
Gulf Chana Green	Inspect & Repair Refractory of Boiler	Boiler	2025–2026
AVA Grand Energy	Repair Refractory Boiler Part 2,3	Boiler	2025
MTP HP JV	Turnaround 2025 — Refractory Works	Turnaround	2025
Bridgestone Carbon Black	Renew Castable INC-Inlet Boiler + Additional Works	Incinerator	2025
Khonburi Power Plant	Replace Downcomer Tube & Repair Wall Tube + Refractory	Boiler	2025
Thai Nichias / TCP	Bag Filter Pit & Burn-out Cooler — Acid Resistant Castable	New Build	2024



Safety Commitment

VTT SOLUTIONS

HSE is Non-Negotiable

ZERO ACCIDENT POLICY

Every project starts with safety.
No work commences without PTW,
JSA approval, and toolbox talk.

Permit to Work (PTW)

All activities require approved PTW before commencement

Job Safety Analysis (JSA)

Task-level risk assessment conducted and communicated to all workers

Confined Space Entry

Gas testing, ventilation, standby man, and rescue plan in place

Hot Work Controls

Fire watch, fire extinguisher, and welding curtain for all hot work

PPE Compliance

Helmet, safety shoes, gloves, respirator, harness — fully enforced

Daily Toolbox Talk

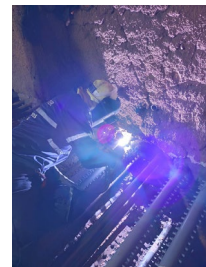
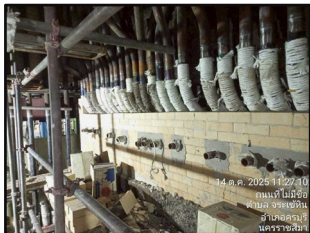
Morning briefing on daily hazards and control measures



Our Gallery

VTT SOLUTIONS

Photo Record





Our Gallery

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Photo Record





Our Clients

VTT SOLUTIONS

Trusted by Industry Leaders



MCLS ASIA





Our Clients

VTT SOLUTIONS

Trusted by Industry Leaders



SAMSUNG E&A



DAIKI ALUMINIUM GROUP



ExxonMobil



SIAMREFRATORY
SOLUTIONS FOR YOUR SUCCESS



HUAWEI



HONDA



Why Choose VTT Solutions?

VTT SOLUTIONS

Our Competitive Advantages

01

API 936 Certified Team

Project Manager holds API 936 certification — the gold standard for refractory work in Refinery & Petrochemical

02

10+ Years Field Experience

Founded by hands-on specialists — we understand site constraints, not just specifications

03

Full-scope Capability

Refractory · Insulation · Pipe & Pipe Rack · Welding · Tank Coating — one contractor, multiple scopes

04

Proven Project Track Record

14+ completed projects across Power, Petrochemical, and Industrial sectors in 2024–2026

05

Rapid Mobilization

Pre-positioned equipment and trained workforce for fast response to Turnaround and Shutdown windows

06

Documentation Ready

Full Close-out Reports, QC Dossiers, JSA, and Dry-out Records provided for every project



VTT SOLUTIONS

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Refractory · Insulation · Engineering

Contact Us

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