

# Chuleeporn Prayoonsitthi

## Reliability & Predictive Maintenance Engineer

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### OPEN TO WORK — NELSON, NEW ZEALAND · JULY 2026

Green List — Straight to Residence · ANZSCO 233512 · Employer does NOT need to be accredited

Open to: Nelson · Marlborough · Canterbury · Wellington

Available for video interviews now · Relocating with family

### PROFESSIONAL SUMMARY

Reliability & Predictive Maintenance Engineer with 10+ years across FMCG and heavy industry. Led PM Pillar at Mars Petcare CHB to World Class level in Mars Supply Excellence — delivering 79% TRS, 4M+ Baht PdM savings, 100% BDA closure, and Senseye AI implementation. Specialist in vibration analysis, condition monitoring, FMECA, RCM, and CMMS (SAP PM / Cedar). MBA candidate. Relocating to Nelson, NZ with family — July 2026.

### KEY ACHIEVEMENTS

- PM Pillar — World Class in Mars Supply Excellence (MSE) · 2025
- 4M+ Baht saved via AI-powered PdM (Crusher 3M · Grinder 900K · Dryer 40K)
- TRS improved 77.1% → 79% YTD through systematic BDE and PM optimisation
- Senseye AI deployed — 16 machines, 279 PdM tasks (+73% coverage)
- Smart Maintenance Integration project: 6M+ THB annual savings designed (SAP+CEDAR+Senseye+Kardex)
- 100% BDA closure rate · 40 BDAs completed · 23 RCA corrective actions closed

### CORE SKILLS

Reliability Engineering

Root Cause Analysis (RCA)

People Management

Predictive Maintenance (PdM)

Breakdown Elimination (BDE)

Team Leadership & Coaching

Vibration Analysis

PM / PPM / TPM

Project Management

Thermal Imaging / IR

CMMS (Cedar) · SAP PM

FMCG Manufacturing

Oil Analysis

Power BI · Data Visualisation

System Integration Design

Condition Monitoring

Lubrication Management

5S · Kaizen · MSE

FMECA & RCM

Senseye AI Platform

Asset Criticality Ranking

### NEW ZEALAND ALIGNMENT

- ANZSCO 233512 — Reliability Engineer (Green List — Straight to Residence)
- Vibration Technician L1 & L2 — Applied Maintenance Technology Ltd., Nelson NZ (2015)
- Familiar with NZ manufacturing sector and Marlborough / Nelson / Canterbury industries
- Ready for immediate video interviews · On-site from July 2026

## PROFESSIONAL EXPERIENCE

### Reliability Planner / Line Manager

Mars Petcare (Thailand) Co., Ltd. · Chon Buri, Thailand

April 2023 – Present

- Led PM Pillar to World Class in Mars Supply Excellence — 76% of 50 activities achieved
- TRS improved 77.1% → 79% YTD · Short stop 5.4% → 3.5% · Filler efficiency avg 92%+
- Deployed Senseye AI across 16 machines — 4M+ Baht PdM savings in first year
- Designed Smart Maintenance Integration (SAP+CEDAR+Senseye+Kardex) — 6M+ THB savings
- 100% BDA closure · 23 RCA actions · Maintenance CM cost 49M→35M THB
- Power BI dashboards for TRS, maintenance cost, and stockroom KPIs

### Engineering Supervisor — Reliability & Maintenance

Advance Fiber Co., Ltd. · Kanchanaburi, Thailand

June 2012 – March 2023

- Built PdM programme from scratch across 200+ rotating assets — vibration, thermal, oil
- Predicted bearing failures 2–6 weeks in advance — significantly reduced unplanned stoppages
- Led 2-year new factory commissioning and full plant expansion
- Zero unplanned ball mill failures for 18 months through condition monitoring programme
- Managed cross-functional maintenance team · Developed technician capability plans

### Maintenance Technician / Engineer

TTCL Public Company Limited · Bangkok, Thailand

2010 – 2012

- Industrial instrumentation and EPC project support across major industrial sites

## EDUCATION & PROFESSIONAL DEVELOPMENT

<b>MBA (in progress)</b>	IU Internationale Hochschule	2025 – present
<b>B.Eng. Control Engineering</b>	King Mongkut's Institute of Technology Ladkrabang (KMITL)	2008 – 2012
<b>ARP [E] Reliability Engineer</b>	Online Course	Oct 2025
<b>FMECA &amp; PM Optimization</b>	In-House · Mars CHB	Mar 2026
<b>Great Line Management Experience (GLMe)</b>	Mars Global Leadership	Nov 2024
<b>MSE Progressive Maintenance Pillar</b>	Virtual · Mars	May 2025
<b>Mars Breakdown Elimination Program</b>	Virtual	May 2025
<b>Power BI Advanced + Excel Advanced</b>	Data Analysis & Visualisation	Mar 2025
<b>Data Storytelling Course</b>	Data Story Academy	Jun 2025
<b>Power Automate · Mars Project Management</b>	Cloud Automation & PM	Jul 2025
<b>Vibration Technician Level 1 &amp; 2</b>	Applied Maintenance Technology Ltd. · Nelson, NZ	Apr 2015