

CORPORATE PROFILE

THETA MEASUREMENT & CONTROL SOLUTIONS PVT. LTD.

Your Trusted Partner in Test Solutions — Advanced Verification & Validation for a Smarter Future

An NI Authorized System Integrator delivering world-class automation, test, measurement and validation solutions across automotive, aerospace, defence, industrial automation and renewable energy sectors.



2013

Established

9+

Fortune 500 companies served

500

Projects executed

8+

Global coverage

80+

Team members

01 ABOUT TMCS

Established in 2013, TMCS is a leading provider of industrial automation, test, measurement and control solutions that empower clients to achieve superior technological performance. As a trusted NI System Integration Partner, TMCS specialises in customised solutions that seamlessly integrate advanced measurement hardware, intelligent software and precision control architectures.

Today, TMCS stands as a global technology partner to industries including automotive, aerospace, defence, appliances and more — delivering innovation, reliability and excellence across projects. Our collaborations with leading technology partners and global clients showcase our ability to provide scalable, reliable and future-ready systems.

VISION

To be a global leader in Test & Measurement, delivering innovative and reliable solutions worldwide.

MISSION

Delivering value-driven, on-time Test & Measurement solutions for Manufacturing and R&D globally.

02 MESSAGE FROM THE CO-FOUNDER & CEO



"I believe Indian engineering can stand shoulder-to-shoulder with the world's best. With the right vision and commitment, we don't just follow global standards — we have the capability to define them."

At TMCS, our mission is to engineer advanced test and automation solutions that help industries innovate with speed, safety and confidence. From automotive and aerospace to defence and heavy engineering, we enable clients to validate and scale with reliability, integrating NI platforms, PLCs and custom electronics into unified ecosystems.

Looking ahead, our vision is to lead the future of validation and automation through AI-driven, cloud-enabled systems and digital-twin capabilities — showcasing the strength of Made-in-India engineering on the global stage.

— Co-Founder & CEO, TMCS

03 INDUSTRIES WE SERVE



Automotive & EV

Advanced testing, automation and engineering solutions powering innovation in automotive and EV.



Aerospace & Defence

Scalable, indigenised testing solutions for aerospace and defence.



Appliances

Smart test and automation solutions ensuring appliance quality and reliability.



Power Electronics

End-to-end test automation ensuring efficiency and reliability.



Medical Devices

Advanced test and automation ensuring precision and reliability.



HCV & Construction

Efficient, high-quality test and automation for heavy commercial vehicles and construction.

04 OUR SERVICES

01 Automated Test Equipment (ATE)

Custom ATE for PCBs, ECUs and electromechanical assemblies.

02 End-of-Line (EOL) Testing

Production-line verification with traceable results.

03 Hardware-in-the-Loop (HIL)

Real-time simulation rigs for controller validation.

04 High-Speed Data Acquisition

Lab, field and rugged DAQ systems.

05 Panel Engineering

Panel design, refurbishment and rewiring.

06 Indigenised Defence Equipment

COTS-based replacements for legacy testers.

07 Software Development

LabVIEW (6.0 to latest), PLC and Python.

08 Resource Deployment

Skilled engineers deployed to customer programmes.

09 Trainings

Technical training on test platforms and tools.

05 WHY TMCS?

01 Decade of Excellence

Partnering globally through technology and trust.

02 Authorised NI Partner

Certified system integrator for scalable test solutions.

03 Certified Professionals

Skilled LabVIEW architects and developers.

04 Compliance Driven

CE-certified systems built to global standards.

05 Industry Leadership

Trusted by 9+ Fortune 500 global clients.

06 Domain Expertise

10+ years across transportation, aerospace and defence.

07 LabVIEW Excellence

NI and third-party hardware integration expertise.

08 Technology

Customised solutions powered by in-house technology.

09 Supply Chain Solutions

Empowering global supply chains with localised support.

10 Timeliness

Timely, complete and transparent project delivery.

TECHNOLOGY PLATFORM

NI PXI / PXIe

NI CompactDAQ

NI CompactRIO

LabVIEW

NI VeriStand

NI TestStand

PLC systems

SCADA / OPC-UA

Python

MySQL

CAN

06 FEATURED PROJECTS



Automotive & EV VCU Test Bench

Dual-station EOL bench for 2-wheeler ECUs with NI TestStand sequencing.



Automotive & EV Steering HIL Test Rig

Real-time EPAS/HPAS validation with NI VeriStand and PXIe.



Automotive & EV E-Axle Test Bench

Torque, RPM, braking and gear-ratio testing for multiple axle variants.



Automotive & EV Gearbox Endurance Test Bench

Automated endurance testing up to 100,000+ cycles.



Aerospace & Defence Modular ATE – PCB Fault Diagnosis

COTS-based modular ATE on NI PXIe with JTAG, RF and flying-probe tests.



Aerospace & Defence Fly-By-Wire Ground Tester – Mirage-2000

Indigenised, rugged and portable O-level tester.



Aerospace & Defence Propellant DAQ

High-speed DAQ capturing ignition delay, Pmax and P-T curves.



Manufacturing Line Traceability & Assembly Monitoring

QR traceability with LabVIEW SCADA and OPC-UA.

Detailed case studies are available on request.

07 TMCS PRODUCTS



AutoHIL

Experience the future of electric vehicle mobility

Real-time VCU-HMI interaction with live simulation of charging, faults, ignition, brake, gear and drive modes – with fault injection, CAN-based control and automated testing for validation, analysis and R&D.



VayuMATE

Advanced PCB Test & Validation System

Verifies electrical, functional and parametric integrity of PCBs with high fault coverage and rapid isolation – modular PXI architecture and LabVIEW for SRU, LRU and avionics testing.



Compact PCB Tester

I-level PCB testing at hangar and base level

Robust, portable NI CompactDAQ-based tester enabling quick diagnostics at the maintenance site and scalable deployment across multiple locations.

08 CERTIFICATIONS

AS9100D

Quality management system for the aviation, space and defence industries. Certified by MQA Certification Services (UKAF accredited). Certificate No. AS/25M04018; initial registration 06 August 2025; re-certification due 05 August 2028.

ISO 9001:2015

Quality management system, assessed by Quality Research Organization (QRO). Certificate No. 3050250805115Q; certified 05 August 2025; valid until 04 August 2028.

Scope: design, manufacturing and services of measurement and control systems & solutions.

09 AWARDS & RECOGNITION

NAIS-2025, Kochi

Committed to Excel — showcasing innovation and indigenisation excellence.

SIAT 2024

Together Towards Progress — celebrating innovation and excellence.

Auto EV India 2024

Honouring esteemed exhibitors — driving innovation in automotive & EV technology.

TLC 2019, Pune

Recognising commitment, inspiring excellence and celebrating true contribution.

SPXFLOW

Appreciation for professionalism and commitment in building success together.

10 OUR GLOBAL FOOTPRINT

TMCS's global footprint reflects our commitment to innovation, precision and engineering excellence. As an NI Authorized System Integrator, we deliver world-class automation, testing and validation solutions across automotive, aerospace, defence, industrial automation and renewable energy sectors. TMCS continues to expand its presence worldwide, empowering industries through trusted integration and technical excellence.

Pune, India

Head office and factory

Hyderabad, India

Regional office

"TMCS proudly contributes to the Make in India initiative by delivering indigenous engineering, testing and automation solutions that strengthen India's manufacturing ecosystem and global competitiveness."

Let's Connect

Your trusted partner for automation, testing and system integration. Our expert team is ready to understand your requirements and provide tailored solutions — from concept to commissioning, with seamless execution and long-term support.

Phone +91 20 6763 6001

Email marketing@tmcs.in

Web www.tmcs.in

Office 3rd Floor, MCCIA Building, Tilak Road, Pune 411002, Maharashtra, India

Factory Satyam Industrial Estate, Sr. No. 25, Mahadev Nagar, Nanded Gaon, Sinhagad Road, Pune 411041

Hyderabad Bafrah Imperial, Happy Homes Colony, Rajendranagar, Hyderabad 500030