



ENGINEERING. TESTING. VALIDATION.

From first measurement to validated performance.

TEST DEVELOPMENT & AUTOMATION

VALIDATION & CHARACTERIZATION

SYSTEM & PRODUCT TESTING

PCB ENGINEERING & REWORK

TEMPERATURE & ENVIRONMENTAL TESTING

LAB EQUIPMENT RENTAL

Your Engineering Partner in Europe and Beyond.

MOSTAR | GRAZ



ABOUT ITAM

ITAM Services is an engineering services company specializing in semiconductor testing, post-silicon validation and characterization, test development and measurement automation. Our engineering expertise covers ASSPs and ASICs, with a strong background in power management and mixed-signal ICs.

We develop automated test and measurement solutions using Python-based automation and custom instrument drivers, enabling efficient, repeatable and reliable results.

Our engineering support covers the complete validation process from initial silicon bring-up and functional verification to detailed electrical characterization, data analysis and technical reporting.

QUALITY & SECURITY

- ISO 9001 certified
- ISO/IEC 27001 certified
- ESD-protected laboratory environment
- Calibrated laboratory equipment
- Structured engineering & reporting processes

LET'S TALK ENGINEERING

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ENGINEERING CAPACITY WHEN YOU NEED IT.

Flexible engineering support for validation, testing, automation and electronics development.

MOSTAR | GRAZ

European proximity. Global reach.

ENGINEERING CAPABILITIES

From test concept and automation to silicon validation, environmental characterization and system verification.

01 / CORE SERVICES

WHAT WE DO

Engineering services built around measurement quality, repeatability and efficient execution.

01 TEST DEVELOPMENT & AUTOMATION

Python test frameworks, custom instrument drivers, automated measurement sequences, PXI integration, data processing and reporting.

02 VALIDATION & CHARACTERIZATION

Bring-up, functional verification, static and dynamic measurements, electrical characterization and performance analysis.

03 SYSTEM & PRODUCT TESTING

Functional, integration and verification testing from engineering samples through product-level evaluation.

04 PCB ENGINEERING & REWORK

Schematic and layout support, prototype and evaluation hardware, board modification, rework, debug and functional testing.

02 / VALIDATION WORKFLOW

FROM BRING-UP TO REPORT

A structured validation path designed to turn measurements into clear engineering decisions.

1

BRING-UP

Initialization, first power-up and interface checks.

2

FUNCTIONAL CHECK

Verification of features, modes and control functions.

3

DETAILED EVALUATION

Static, dynamic and electrical performance testing.

4

THERMAL / ENVIRONMENTAL

Characterization from -40 C to +180 C.

5

CORNERS & STRESS

Operating conditions, process corners and stress testing.

6

ANALYSIS & REPORTING

Data review, plots, screenshots, conclusions and reports.

03 / TECHNOLOGY & LAB

WHAT WE VALIDATE

Experience across power management, mixed-signal functions, interfaces and complete electronic systems.

BUCK BOOST BUCK-BOOST LDO

POWER SWITCH CHARGER & POWER PATH FUEL GAUGE

LED CURRENT SINK GPADC GPIO / I/O I2C SPI

SPMI MAIN FSM BATTERY CHARACTERISATION . . .

TEST & MEASUREMENT

LAB CAPABILITIES

PRECISION MEASUREMENT

High-precision benchtop DMMs

SOURCE MEASURE UNITS

2- and 4-quadrant SMUs

DC POWER

1- and 2-quadrant DC power supplies

SIGNAL ANALYSIS

Oscilloscopes up to 1 GHz / 20 GS/s

SIGNAL GENERATION

Arbitrary waveform generators

AUTOMATED TEST

PXI-based automated measurement systems

BATTERY CHARACTERISATION

Battery test systems

ENVIRONMENTAL

Temperature chambers -40 C to +180 C

ADDITIONAL SUPPORT

TEMPERATURE & ENVIRONMENTAL TESTING / LAB EQUIPMENT RENTAL / CONSULTING & PROJECT MANAGEMENT

Flexible engineering capacity, professional laboratory infrastructure and project-oriented support.