



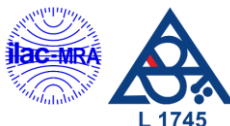
IDIADA CZ
TEST CENTER
PRESENTATION

November 2025



TEST CENTER OVERVIEW

- Automotive
- Defence
- Aerospace
- Body & Components
- NVH, Vehicle dynamics & Brakes
- Durability & ADAS
- TISAX[®] ID PF2T6Y
- Accreditation ISO 17025:2018



Applus IDIADA Group
IDIADA CZ a.s.

CTPark Mladá Boleslav – Bezděčín 103
293 01 Mladá Boleslav – Bezděčín
Czech Republic

TEST CENTER

BODY&COMPONENTS



- Temperature
- Climate
- Air-air temperature shock
- Air-water temperature shock
- Light irradiation without UV
- Solar irradiation



- Vibrations

Vibration systems up to 120kN

Sine/Random/SoR/RoR

Resonance search and tracking

Silent mode

Shock up to 360kN (100G/11ms)

Vibration climatic chambers up to 12m³

Combination with light irradiation

Fixture design and manufacturing



- Mechanical
 - Static
 - Durability
 - Shock/Impact/Drop
 - Stone impact
 - Function
 - Misuse
- Photogrammetry
- 3D laser scanning
- Color/Gloss



- Corrosion
- Dust
- Sand
- Air flow
- Water – IP tests
- Muddy water spray
- Pressure/Altitude
- Leakage



- Electric

Sample operation and monitoring

HV, LV, current and resistance

Vector CANalyzer and CANoe

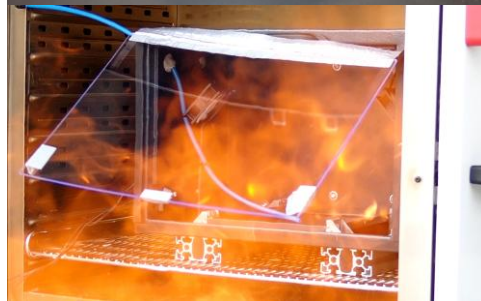
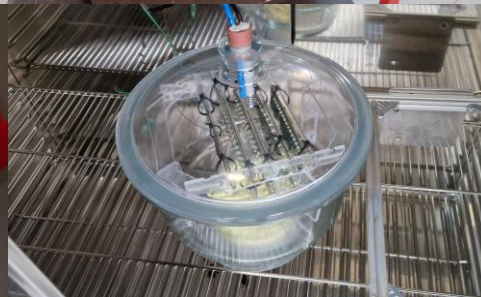
Safety checks

- Chemical resistance

- Noxious gases

- Material tests

- Design and manufacture of test equipment and fixtures



Accredited environmental tests – climatic, solar, vibration, corrosion and dust

Accredited electrical tests – voltage, current, resistance

Accredited tests of batteries – UN R100, UN 38.3, GB 38031, SAE J2464

- Vibration, Mechanical shock
- Thermal
- Altitude

Accredited tests of packages – ASTM D4169

- Pre-conditioning, Conditioning,
- Handling (drop test), Concentrated impact
- Vehicle stacking (compression test)
- Loose load vibration, Vehicle vibration
- Low pressure hazard



Tests of e-motors/power management

- K-01 High/Low Temperature Aging
- K-03 Low Temperature Operating Test
- K-05 Thermal Shock Test
- K-06 Salt Spray Test
- K-09 Damp Heat, Cyclic (with frost)
- K-11 High Pressure Cleaning
- K-12 Thermal Shock with Splash Water Test
- K-13 Thermal Shock Immersion Test
- M-02 Stone Impact Test
- M-03 Dust Test
- M-04 Vibration Test
- M-05 Mechanical Shock Test
- P-02/03 Parameter Tests and Physical Analysis



Tests according to MIL-STD-810G, DEF STAN, RTCA DO-160G, ...

• Low Pressure / Altitude	MIL-STD-810H - 500.6	• Low pressure	MIL-STD-810H - 500.6
• High Temperature	MIL-STD-810H - 501.7	• Rapid decompression	MIL-STD-810H - 500.6
• Low Temperature	MIL-STD-810H - 502.7	• Acid corrosion	DEF STAN 00-35 CN3
• Temperature Shock	MIL-STD-810H - 503.7	• Tightness	IEC 60529
• Change of Temperature	MIL-STD-810H - 501.7	• Explosive Atmosphere	RTCA DO-160G sec. 9
• Solar Radiation	MIL-STD-810H - 505.7	• Sand and Dust	RTCA DO-160G sec. 12
• Humidity	MIL-STD-810H - 507.	• Icing with altitude	RTCA DO-160G sec. 24
• Salt Fog	MIL-STD-810H - 509.7	• TS of piping and fittings	MA2004, ISO 6773
• Sand and Dust	MIL-STD-810H - 510.7	• Fire resistance	AS1055
• Contaminantion/Decont.	MIL-STD-810H - 504.3		
• Vibration	MIL-STD-810H - 514.8		
• Shock	MIL-STD-810H - 516.8		
• Rain	MIL-STD-810H - 506.5		
• Icing	MIL-STD-810H - 521.4		
• Snow	MIL-STD-810H - 5.3		

Didn't find the test you were
looking for? Contact us.
We will try to arrange it for you.

TEST CENTER

NVH, VEHICLE DYNAMICS, BRAKES

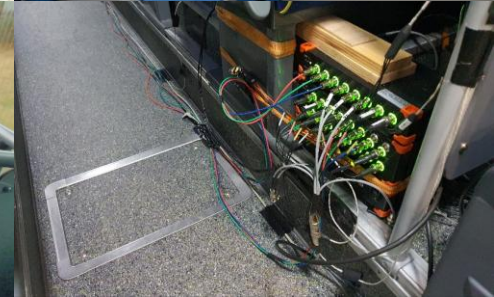
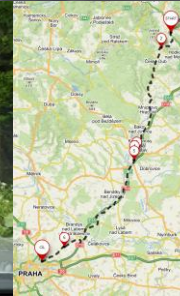
- Modal analyses
- Vehicle dynamics
- Noise and vibration
- Suspension analyses
- Engine mountings analyses
- Tests in public roads and proving grounds
- Multi body dynamics simulations
- Correlation with FEM and MBS
- Complex brake testing



TEST CENTER

DURABILITY, ADAS, PG MANAGEMENT

- Long time tests in public roads
- Quality tests
- Vehicle inspections
- Market driving assessment
- ADAS tests
- Component durability measurements and calculations
- Vehicle service and tire changing
- Summer and winter test
- Management of the BMW proving ground in Sokolov





THANK YOU
FOR YOUR KIND ATTENTION



www.applusidiada.com

Applus IDIADA

Headquarters and Main Technical Centre

L'Albornar – PO Box 20

E-43710 Santa Oliva (Tarragona) Spain

T +34 977 166 000 F +34 977 166 007

e-mail: idiada@idiada.com

www.idiada.com

Applus IDIADA Belgium

T +32 2 757 27 07 (Brussels)

e-mail: idiada_belgium@idiada.com

Applus IDIADA Brazil

T +55 11 4330 9880 (São Paulo)

T +55 31 3591 6832 (Belo Horizonte)

e-mail: idiada_brasil@idiada.com

Applus IDIADA China

T +86 21 6210 0894 (Shanghai)

T +86 21 6210 0894 (Beijing)

T +86 431 8190 9680 (Changchun)

T +86 23 6756 8060 (Chongqing)

T +86 21 6210 0894 (Cixi)

T +86 20 2282 9202 (Guangzhou)

T +86 21 6210 0894 (Ningbo)

T +86 532 66019017 (Qingdao)

T +86 21 6210 0894 (Tianjin)

T +86 21 6210 0894 (Wuhu)

T +86 535 8933658 (Zhaoyuan)

e-mail: idiada_china@idiada.com

Applus IDIADA Czech Republic

T +420 493 654 811 (Hradec Králové)

T +420 778 430 095 (Brno)

T +420 482 424 243 (Liberec)

T +420 326 736 860 (Mladá Boleslav)

e-mail: info@idiada.cz

Applus IDIADA France

T +33 (0) 181 891 943 (Paris)

T +33 (0) 130 370 836 (Paris)

T +33 (0) 141 146 085 (Lyon)

e-mail: idiada_france@idiada.com

Applus IDIADA Germany

T +49 (0) 84188538-30 (Ingolstadt)

T +49 (0) 89309056-0 (Munich)

T +49 (0) 84188538-30 (Stuttgart)

T +49 (0) 5374920606-0 (Wolfsburg)

e-mail: idiada_germany@idiada.com

Applus IDIADA India

T +91 44 2275 2202 (Chennai)

T +91 124 4028 888 (New Delhi)

T +91 20 6605 6800 (Pune)

e-mail: idiada_india@idiada.com

Applus IDIADA Italy

T +39 051 0923530 (Bologna)

T +39 005 10923500 (Erbusco)

T +39 011 2640320 (Turin)

e-mail: idiada_italia@idiada.com

Applus IDIADA Japan

T +81 (0) 42 512 8982 (Tokyo)

T +81 (0) 52 588 5329 (Nagoya)

e-mail: idiada_japan@idiada.com

Applus IDIADA Malaysia

T +603 9207 7018 (Kuala Lumpur)

T +601 2410 7686 (Penang)

e-mail: idiada_malaysia@idiada.com

Applus IDIADA Mexico

T +52 (222) 644 1374 (Puebla)

e-mail: idiada_mexico@idiada.com

Applus IDIADA Poland

T +48 61 6226 905 (Poznan)

e-mail: idiada_polska@idiada.com

Applus IDIADA Scandinavia

T +46 (0) 31 320 1844 (Gothenburg)

e-mail: idiada_scandinavia@idiada.com

Applus IDIADA Slovakia

T +420 778 430 098 (Košice)

e-mail: idiada_slovakia@idiada.com

Applus IDIADA South Korea

T +82 31 478 1821 (Seoul)

e-mail: idiada_korea@idiada.co.kr

Applus IDIADA Spain

T +34 977 166 000 (Santa Oliva)

T +34 928 587 447 (Las Palmas)

T +34 915 095 795 (Madrid)

T +34 950 473 256 (Mojácar)

T +34 868 912 179 (Murcia)

T +34 948 292 921 (Pamplona)

T +34 955 117 111 (Sevilla)

T +34 986 900 300 (Vigo)

e-mail: idiada@idiada.com

Applus IDIADA Sweden

T +46 731 478 202 (Göteborg)

T +46 731 478 202 (Stockholm)

e-mail: idiada_sweden@idiada.com

Applus IDIADA China (Taiwan)

T +886 47 810 702 (Lukang)

e-mail: idiada_taiwan@idiada.com

Applus IDIADA Thailand

T +66 86 7917 071 (Bangkok)

e-mail: idiada_thailand@idiada.com

Applus IDIADA Turkey

T +90 216 250 6050 (Istanbul)

e-mail: idiada_turkey@idiada.com

Applus IDIADA UK

T +44 1223 441 434 (Cambridge)

T +44 2476 328 083 (Nuneaton)

T +44 1926 623 132 (Warwick)

e-mail: idiada_uk@idiada.com

Applus IDIADA USA

T +1 248 978 0111 (Detroit)

T +1 760 246 1672 (Los Angeles)

e-mail: idiada_USA@idiada.com

Applus[®]
IDIADA

