



**BASIC COURSE  
FOR SIMULATED ENVIRONMENTAL  
TEST TECHNICIANS**

**22-23 NOVEMBER 2023**

ANGELANTONI TEST TECHNOLOGIES  
Massa Martana (PG), Italy

**Wednesday 22 November 2023**

[11:00 – 11:30] **Welcome – Presentation of Angelantoni Test Technologies**  
*Marco Milioni – Sales Area Manager – Italy*

[11:30 – 13:00] **Topics of environmental simulation (part one)**  
– *Temperature and Climatic Basics*  
– *Single/Cascade Stage Refrigerant Cycle (simplified)*  
– *Temperature/Humidity Control System*  
– *Temperature/Humidity Measurement System*  
*speaker: Riccardo Baldelli – Product Engineering Leader*

[13:00- 14:30] Business lunch

[14:30 – 15:00] **Visit to the factory**  
*Marco Milioni – Sales Area Manager – Italy*

[15:00 – 16:30] **Topics of environmental simulation (part two)**  
– *Performance – Temperature Change rate*  
– *Performance – Temperature Fluctuation-Uniformity*  
– *Cooling System*  
*speaker: Riccardo Baldelli – Product Engineering Leader*

[16:30 – 16:45] Coffee break

[16:45 – 17:30] **Case History - Mate Srl**

[17:30] **End of the first day**





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**Thursday 23 November 2023**

- [9:00 -9:45] **The ACS corrosion test chambers and some recent regulations on the resistance of automotive components**  
*speaker: Riccardo Baldelli – Product Engineering Leader*
- [9:45 -10:45] **Battery test chambers**  
*speaker: Riccardo Baldelli – Product Engineering Leader*
- [10:45 -11:00] Coffee break
- [11:00 -11:45] **Innovation & environment: the new R472 refrigerant gas**  
*speaker: Patrizio Quattrocchi – R&D and Innovation Manager*
- [11:45 - 12.30] **Innovation & services: measurement uncertainty according to IEC 60068-3-11**  
*speaker: Silvio Amato – R&D Engineer*
- Delivery of participation certificates**
- [12: 30] Working lunch and end-of-course greetings