GENERAL TECHNICAL SPECIFICATION

PUBLIC CALL FOR OFFER FOR PROJECT: “DACIA VEHICLE PRODUCTION DIVERSIFICATION” DEPARTMENT TRIM & CHASSIS

LOT 24:

EXECUTIVE SUMMARY

Object of the call:

➢ **LOT24** – Studies, realization, on site installation and commissioning for the following equipment:

1. **Batteries cooling circuit leak test posts installation**
2. **Battery air test leak station no1 installation**
3. **Battery leak tests station no2 installation**
4. **Battery charging and electrical testing stations installation**

The workstations described in item no. 1 have the role of detecting whether the cooling systems of the batteries are properly sealed or not. With the help of an ATEQ device, possible pressure leaks of the battery cooling system will be detected.

The workstation described in item no. 2 has the role of detecting whether the fully assembled hybrid batteries are properly sealed or not. This installation will use an ATEQ device and is common to all battery generations. This post will also be fully automated.

The workstation described in item no. 3 is integrated in the battery rework area and has the role of detecting whether the assembled hybrid batteries are properly sealed after the applied reworks. This installation will use an ATEQ system that will be able to ensure the checking of leaks of the cooling circuits as well as the fully assembled batteries. The installation is common for all generations of batteries, and in the case of rework, it will be part of a manual station.

The workstations described in item no. 4 includes 5 charging stations and electrical test for batteries. The charging area will include an automated supervisory system and electronic cabinets for testing and electrical charging. Functionally, the supervisor system will manage all electronic test and charging cabinets and each battery will be individually connected to an electronic test and charging cabinet. Also, all the necessary cables that will be used either for charging the batteries or for communication and electrical tests are included in this line. The installation serves to verify the electrical function and communication of the electronic components of the batteries with the rest of the computers present on the vehicles and of course, its main role is the electrical charging of the produced batteries.

PLANNING

- **End of studies and design approval (ATFE)** **S07 2023**
- **Customer reception (RCP)** **S28 2023**
- **Commissioning approval (ATFMR)** **S39 2023**
- **Process and production approval (ATMP)** **S04 2024**
- **Notice for obtaining the performances (COP)** **S28 2024**


THANK YOU