

## **TECHNICAL TOURS**

### **Technical Tour 1: to Dairymaster, Causeway, Tralee, Co. Kerry**

This Tour will travel about 140 km west of Cork City to Causeway, Tralee, Co. Kerry. It will visit the Dairymaster headquarters in Ireland, which has attained international acclaim for manufacturing superior, hi-tech dairy equipment. The product range incorporates Milking Equipment, Feeding Equipment, Automatic Manure Scrapers, Milk Cooling Tanks and Health & Fertility Monitoring Systems. Dairymaster now employ almost 400 people at their 11-acre manufacturing facility in Causeway, Southwest of Ireland and have become internationally recognized as a leader in dairy equipment manufacturing. Their headquarters in Ireland, the UK and USA serve customers in over 40 countries. Innovation is a key to Dairymaster's success; Dairymaster has filed for over 90 patents in recent years. Multidisciplinary teams utilize Laser Profiling as well as Manufacturing Robots and Electronics Production Equipment. The mechanical and design engineers work with software and app Development teams on various projects.

Link to webpage: <https://www.dairymaster.com/>

### **Programme for the Technical Tour 1 to Dairymaster**

The bus for Technical Tour 1 (to Dairymaster) will leave UCC at 8 am on Thursday 29<sup>th</sup> August. Delegates will arrive at Dairymaster at approximately 10:30 am. An initial introduction to the facilities and business will be given, together with discussion over coffee/tea. This will be followed by a tour of the plant. Bus will leave at 12:30 pm and will do a drop-off at Cork airport at approximately 3:00 pm in the afternoon. The bus will be back to UCC/ city at 3:30 pm. A packed lunch will be provided on the bus on the return journey.

### **Technical Tour 2: to Teagasc, Animal and Grassland Research and Innovation Centre, Moorepark, Fermoy, Co.Cork.( <https://www.teagasc.ie/>)**

This Tour will visit the Teagasc SMART Farm at the Dairygold Research Farm, close to Moorepark. Delegates will learn how smart technologies such as sensors and decision support tools are being used on a dairy farm and the benefits of technology for research and dairy farming. Incorporating automatic milking with grazing systems will also be discussed.

### **Programme for the Technical Tour 2 to Teagasc, Moorepark**

The bus for Technical Tour 2 (to Teagasc, Moorepark) will leave UCC at 10 am on Thursday 29<sup>th</sup> August. Delegates will arrive at Teagasc, Moorepark at approximately 10:30 am. An initial introduction to the facilities and business will be given, together with discussion over coffee/tea. This will be followed by a tour of the Smart farm. Bus will leave at 12:30 pm and will do a drop-off at Cork airport at approximately 1:30 pm in the afternoon. The bus will be

back to UCC/ city at 1:45 pm. A packed lunch will be provided on the bus on the return journey.

### **Technical Tour 3: to MaRei – Centre for Marine and Renewable Energy**

Ringaskiddy, Co. Cork and Beaufort Building, Environmental Research Institute, University College Cork.

This Tour will travel about 20 km east of Cork City to Ringaskiddy. It will visit the MaRei Institute which is Ireland's national centre for marine and renewable energy research and development. It is supported by Science Foundation Ireland comprising 200 researchers across 6 academic partner institutions working with 46 industry partners.

MaRei's mission is to advance the science, engineering and commercialization of marine and renewable energy and the policy context necessary for this to happen in order to assist Ireland's transition to an internationally competitive low carbon sustainable society.

#### **The research**

MaRei's strengths lie in the multi- and trans- disciplinary nature of its research teams, allowing it to combine insights across areas such as Marine Renewable energy (MRE) Technologies, Materials and Structures, Observation and Operations, Coastal and Marine Systems, Bioenergy, Energy Policy and Modelling, and Energy Management. MaRei is currently partnering in over 25 European projects, coordinating 5 H2020 projects and has active collaborative contacts with 46 companies.

#### **State of the art testing facilities**

MaRei offers unique, world-class MRE testing infrastructure along with state of the art structural laboratories, novel prototype development facilities, and measurement equipment that allow systematic reduction of risks through a structured Technology Readiness Level (TRL) development cycle. The Lir National Ocean Test Facility, housed in the UCC Beaufort Building in Cork, is a custom designed facility for small to medium scale laboratory testing of ocean and maritime systems.

Link to webpage <http://www.marei.ie/>

#### **Programme for the Technical Tour 3 to MaRei – Marine Institute**

The bus for Technical Tour 3 (to the MaRei Centre) will leave UCC at 10 am on Thursday 29<sup>th</sup> August. Delegates will arrive at the MaRei Centre, Ringaskiddy at approximately 10:30 am. An initial introduction to the facilities and business will be given, together with discussion over coffee/tea. This will be followed by a tour of the facilities. Bus will leave at 12:30 pm and will do a drop-off at Cork airport at approximately 1:15pm in the afternoon. The bus will be back to UCC/ city at 1:45 pm. A packed lunch will be provided on the bus on the return journey.

