

*PUBLIC SELECTION BASED ON QUALIFICATIONS AND INTERVIEW FOR THE AWARDING OF NO. 1 GRANT LASTING 12 MONTHS FOR CONDUCTING RESEARCH IN ACCORDANCE WITH ART. 22 OF LAW OF 30.12.2010 NO. 240 AT THE DEPARTMENT MANAGEMENT, INFORMATION AND PRODUCTION ENGINEERING OF THE UNIVERSITY OF BERGAMO (ACADEMIC RECRUITMENT FIELD 09/B2 – INDUSTRIAL MECHANICAL SYSTEMS ENGINEERING - ACADEMIC DISCIPLINE ING-IND/17 – INDUSTRIAL MECHANICAL SYSTEMS ENGINEERING (CUP: E67H17000920007)*

*announced with decree of the Rector Rep. no. 93/2018 of 02.02.2018 and posted on the official registry of the University on 02.02.2018*

### **RESEARCH PROJECT**

**TITLE: “Analysis and improvement of the Fresh Cut Salad production and transformation process”**

The aim of the research is to analyze and improve the production processes of the company “Mioorto” that transforms agricultural products in gamma IV references. During the first phase of the study, the losses that are reducing the efficiency of this production systems will be identified. Among these, it is possible to mention set up times, unexpected stops, failures, or production waste.

Secondly, possible improvement actions to reduce these losses and minimize inefficiencies will be proposed, with particular attention to the technological aspect and the integration of existing systems with IT software that allow the monitoring and the analysis of Key Performance Indicators in "real time ". Here are the main improvements foreseen.

- Streamline the flow of information between the production process and the company IT system to allow real-time data collection in relation to production and plant shutdowns.
- Development of a monitoring system for real-time control of efficiency parameters for each phase of the production.
- Development of a prototype of information system to support production control.