

REALIZZA IL TUO FUTURO
RÉALISE TON AVENIR



Unione europea



Région Autonome
Vallée d'Aoste
Regione Autonoma
Valle d'Aosta



Precision farming 4.0: sviluppo del sistema biologico in orticoltura e del sistema agroalimentare - Hortobot s.r.l.

Beneficiario: **Hortobot s.r.l.**

Asse 3: **“Accrescere la competitività delle PMI”**

Obiettivo 3.5: **“Nascita e consolidamento delle micro, piccole e medie imprese”**

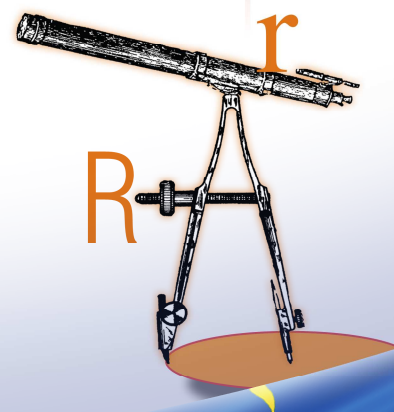
Azione: **“Interventi di supporto alla nascita di nuove imprese sia attraverso incentivi diretti, sia attraverso l'offerta di servizi, sia attraverso interventi di micro-finanza”.**

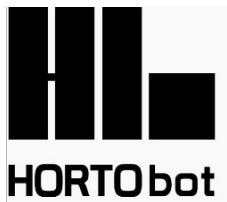
PROGETTO COFINANZIATO DAL FONDO EUROPEO DI SVILUPPO REGIONALE

Programma Investimenti per la crescita e l'occupazione 2014/20 (FESR)

PROJET COFINANCÉ PAR LE FONDS EUROPÉEN DE DÉVELOPPEMENT RÉGIONAL

Programme Investissement pour la croissance et l'emploi 2014/2020 (FEDER)





Program: Investments in favor of growth and employment 2014/2020 (FESR)

Procedure: Start the Valley Up (DGR 303 of 19/03/2018, in application of Regional Law 14/2011)

Beneficiary: Hortobot S.r.l.

HB-BETA project

Precision farming 4.0: development of the biological system in horticulture and of the agri-food system.

Purpose

The HB-BETA project is part of a vast research area ranging from agronomic sciences to engineering and economics. The design and development of industrial prototypes require the mobilization of several disciplinary sectors. The aim of the project is the systemic reform of the horticultural supply chain through the research, design, engineering and construction of machinery and industrial systems for which the potential of robotics and information and electronic technologies are used, continuous alignment with technological evolution, continuous programs of research and development and of study and definition of innovative and sustainable models of structural development and diversification. This high context sees the aims of the HB-BETA development project as an essential step.

On the basis of the technological due diligence, realized by CRIT, the uniqueness of the strengths and high competence points were certified, which have defined the knowledge base on which have been deposited the international patents of machinery, ideas and Hortobot brand.

Results

The results of the HB-BETA project concern the construction and production of Hortobot industrial systems and machinery, for subsequent commercial development, which through programmability and automation of work make cultivation techniques feasible aimed at increasing productivity and quality for primary sector:

- reduction of inter-row spaces and soil compaction
- partial overlapping of production cycles in order to avoid surplus product
- production of variety of crops and increase in production on the same soil
- mechanical weeding without using chemicals, and crop protection with natural methods
- management of information and data originally from machinery that become active and safe sources for tracing the activities carried out for the organic certification of crops and the certain labeling of the place of cultivation and origin.

Financial support from the Aosta Valley Region

By communication with official provision nr. 3728 on 25 June 2019 of the Valle D'Aosta Region, Department of Finance, Productive Activities and Crafts, the HB-BETA project was admitted to financing with a maximum amount of the disbursement contribution of € 127,196.49 against a total estimated cost expenditure for the implementation of the HB-BETA project equal to € 158,995.61 (excluding VAT).