

ANNEX TO FINAL REPORT

IDEA-FOOT PROJECT (232585)

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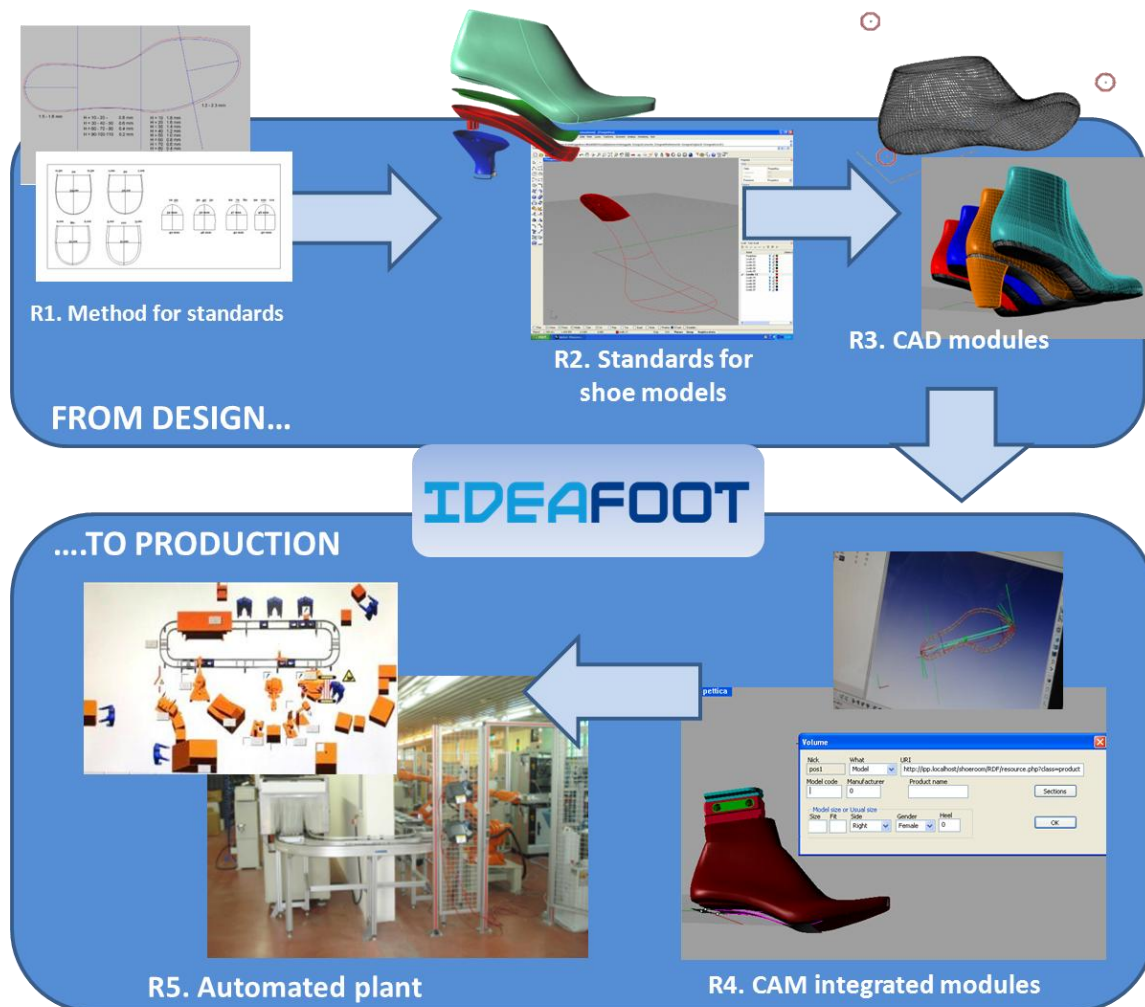


Figure 1: Project results

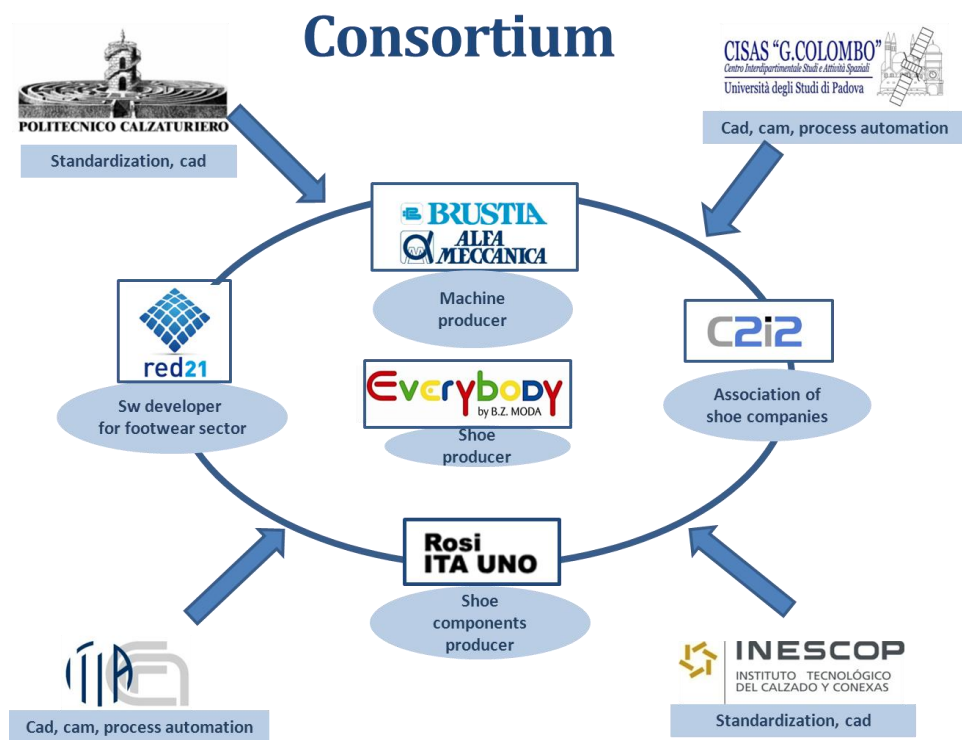


Figure 2: Ideafoot partnership

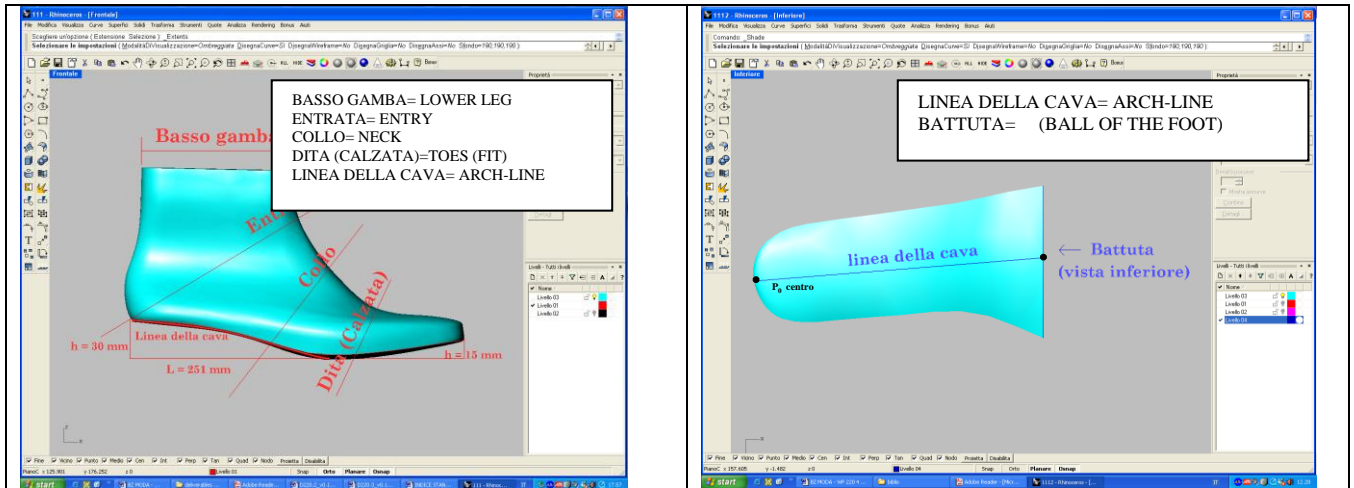


Figure 3: Lines to be projected on the last and insole parameters

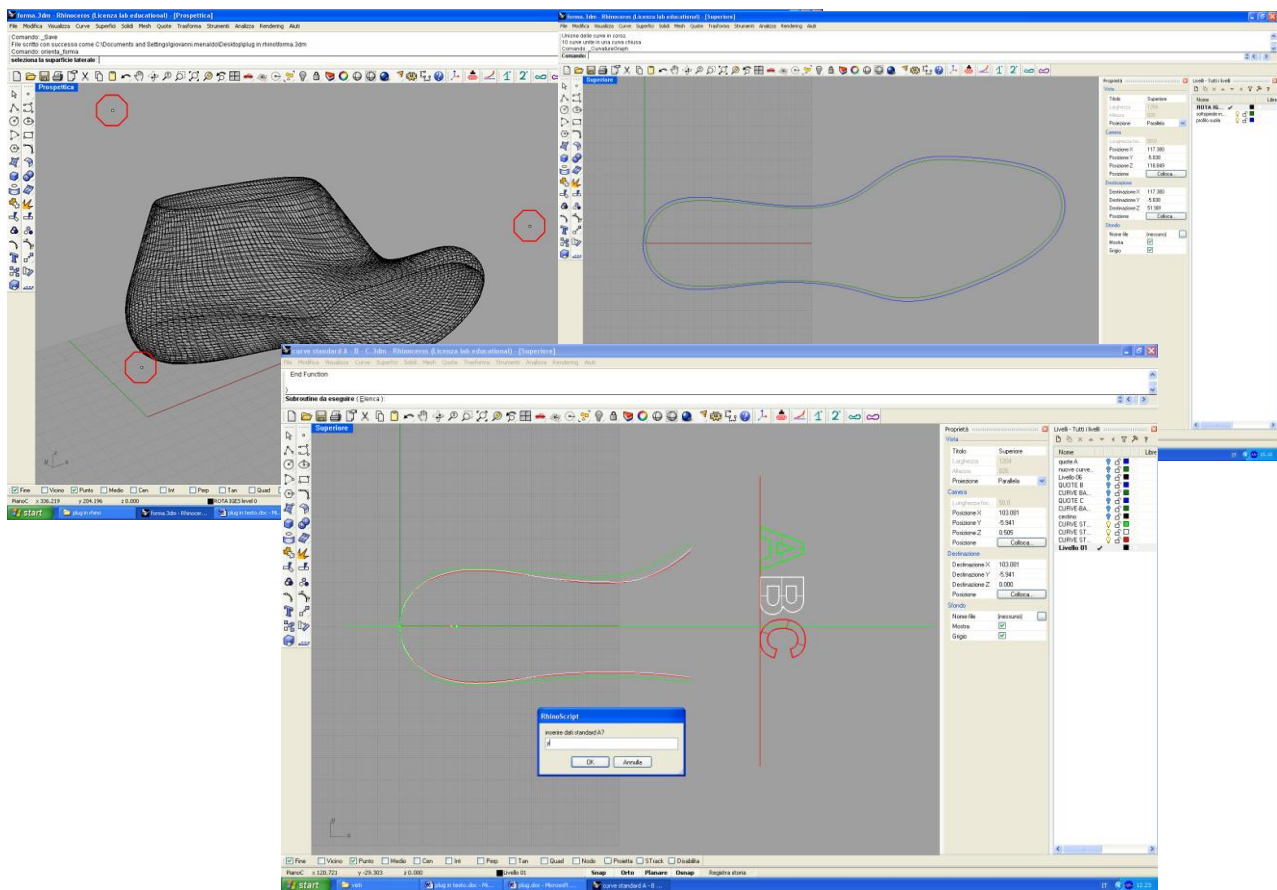


Figure 4: Some examples of the Rhino plug-ins

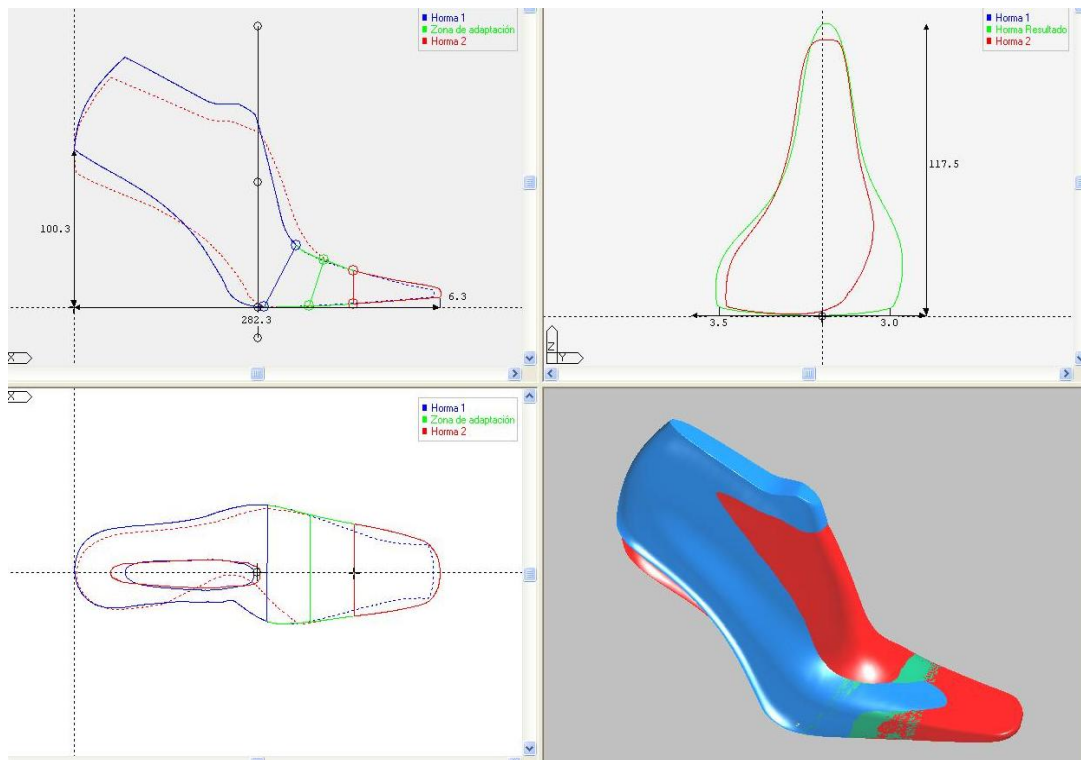


Figure 5:ICADFOR

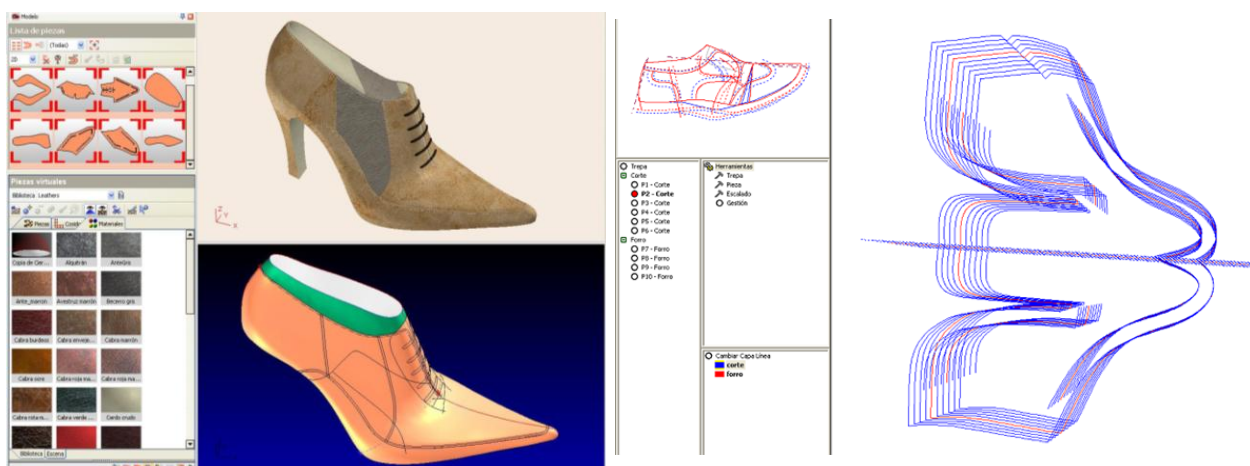


Figure 6: 3D+: technical and artistic design for footwear

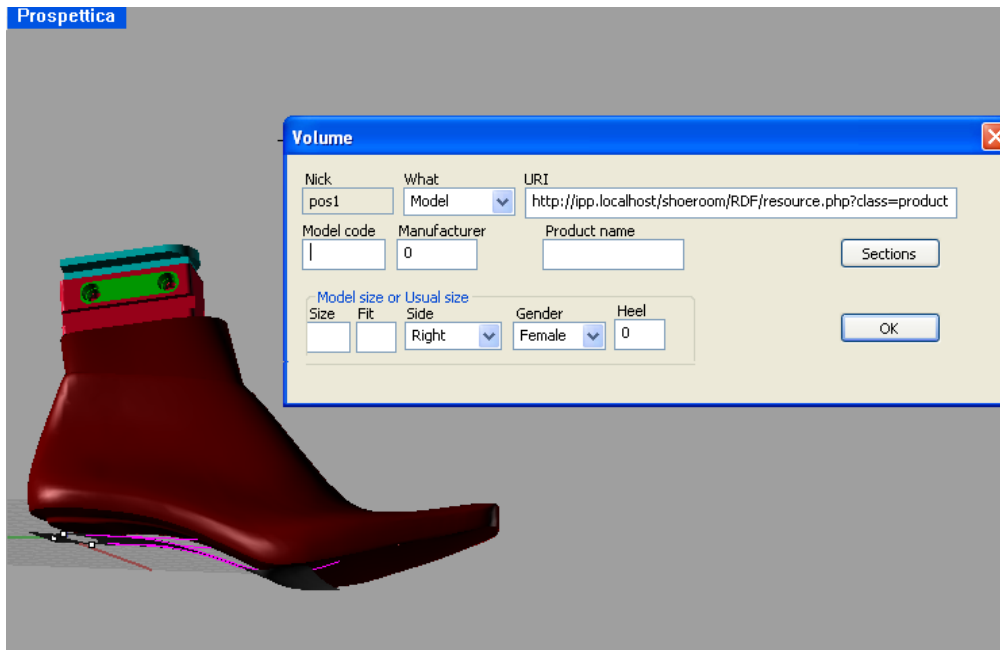


Figure 7: Shoe model identification

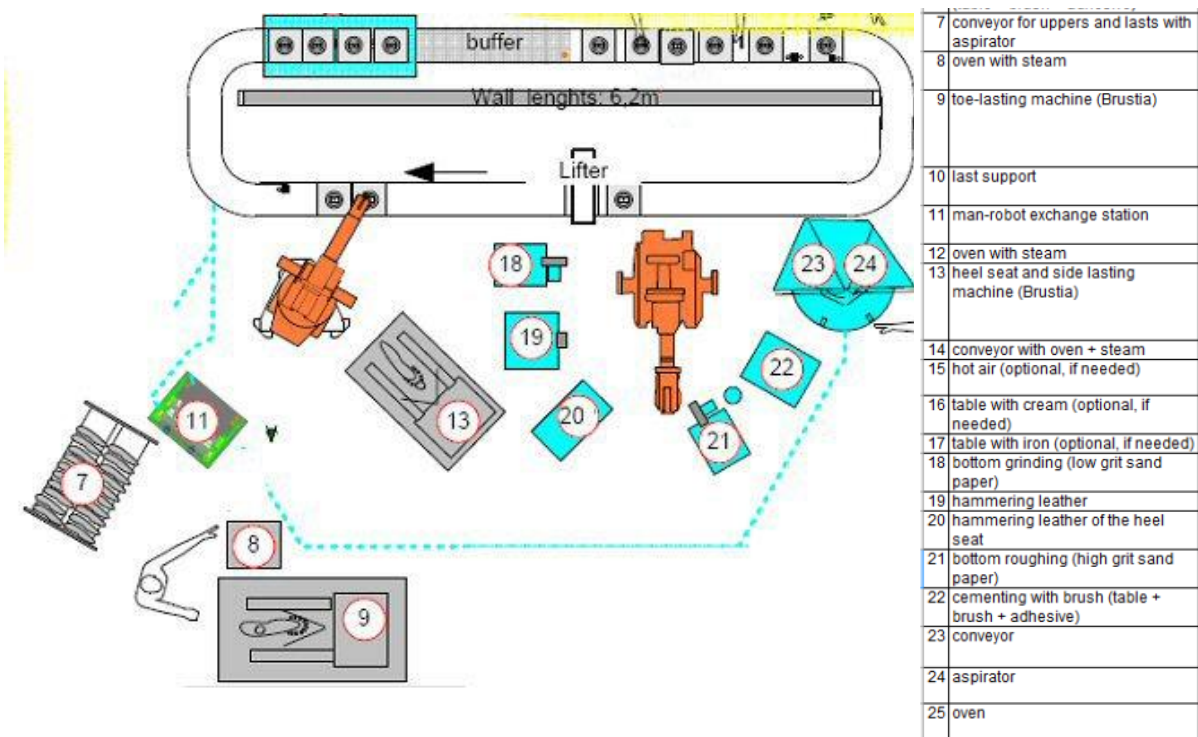


Figure 8: Pilot plant layout



Figure 9: Overall views of the automated plant.



Figure 10: Overall view of the first and second robot.

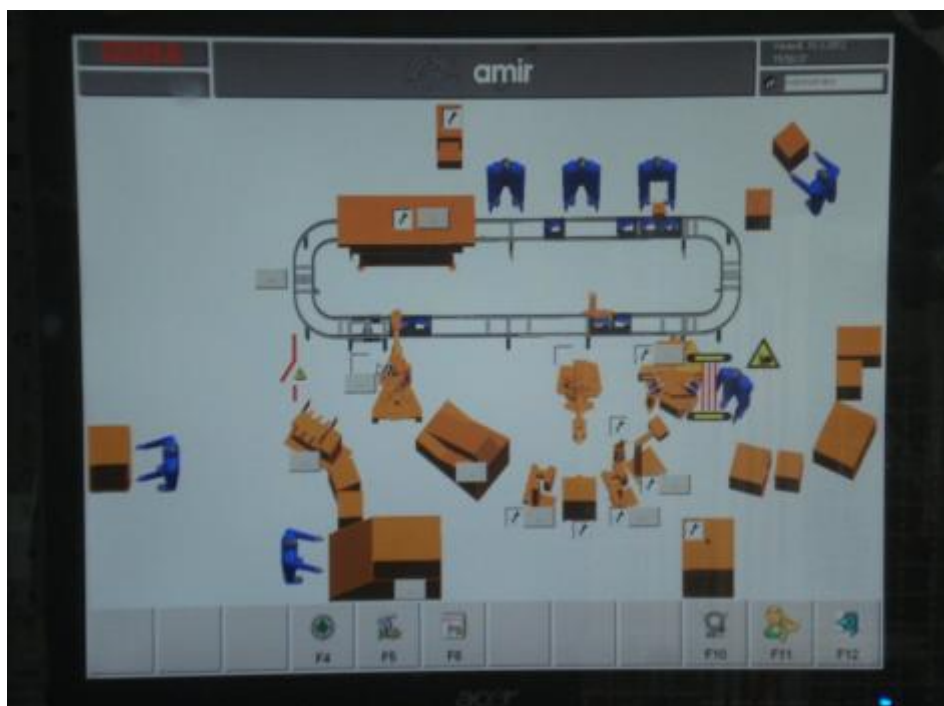


Figure 11: Plant layout with flags for activating/deactivating production stations



Figure 12: Sample of lasts used for validation

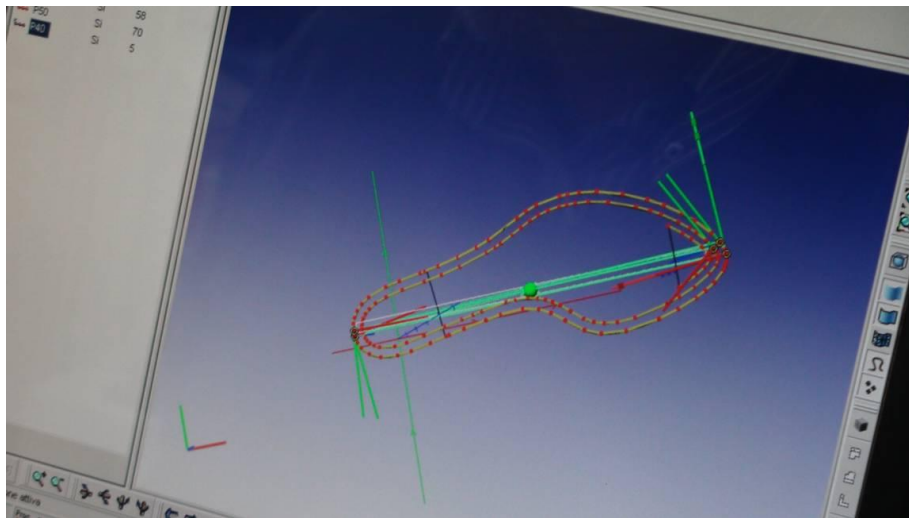


Figure 13: Paths generated from CAD files



Figure 14: Generating an item with RFID

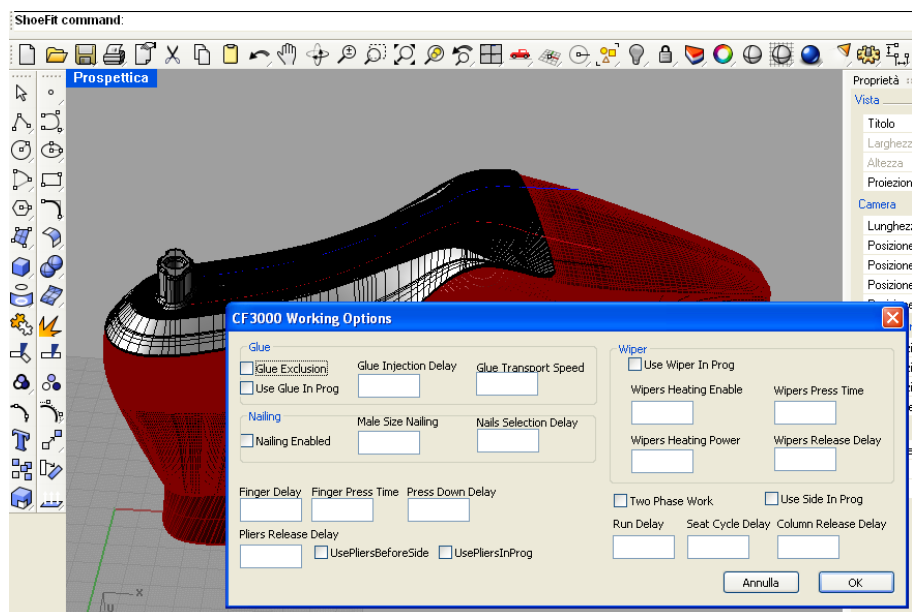


Figure 15: Example of the CAM for the heel seat and side lasting machine.



Figure 16: Some steps of the validation

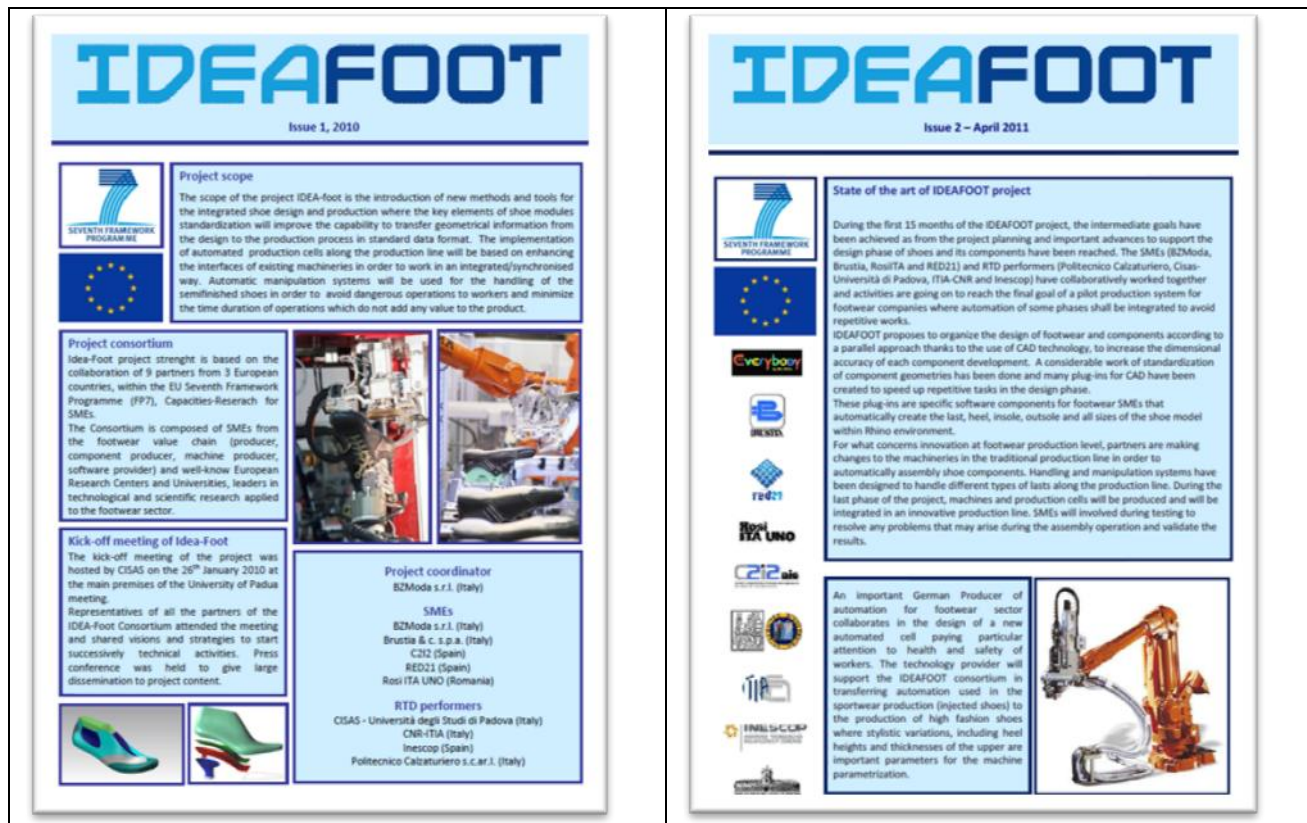


Figure 17: Project newsletters



Figure 18: Project poster



Dissemination seminar-Elda (Spain)

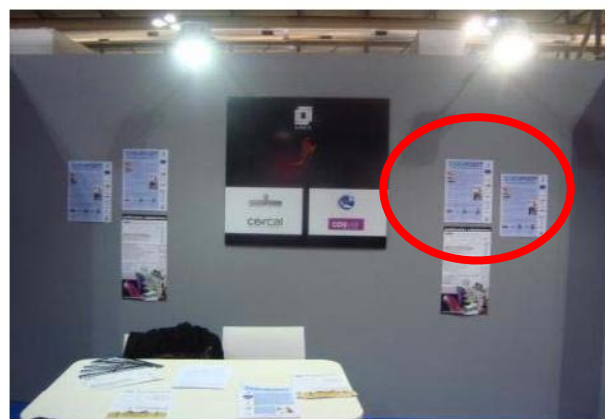


Final Conference, Padova (Italy)

Figure 19: Example of Events organized by IDEAFOOT



Stand Inescop –simac



Stand ANCI-micam

Figure 20: Example of participation to fairs

IDEA-foot objectives		
Objective	Indicator	Linked Project Results
O1) Study of an optimal production layout for the automated production cell	Report on industrial requirements and layout definition (D 210.1)	S5) Innovative integrated production cell: the production cell include machines, last manipulation system and software interfaces
O2) Introduction of a new method for the integrated design and production of the shoe based on standardization and on digital data transfer (see O3 and O4 for what concerns the digital data transfer)	Report describing the defined standards (D 220.2) Library of standardized geometrical features of shoe components (D 220.3)	S1) Innovative methods for the definition of standard modules: methods to standardize geometrical features during the design of the shoe S2) Library of standardized features: set of standardized geometrical features of shoe components
O3) Development of CAD software modules to design the shoe components according to standards	CAD modules for data exchange in the standard data format (D 221.1)	S3) CAD modules to implement the design of the standardized components of the shoe
O4) Development of CAM software modules which use a standard data format and integrates the machineries with the manipulation system	CAM software (D 330.2)	S4) Set of CAM software modules: CAM software modules, formats and communication protocols between CAD and the involved production machines
O5) Development of the automated production cell integrated with the manipulation system	Modified machineries (D320.1) Man / robot exchange station (D420.1) Manipulation system (D430.1) for the toe lasting machine Manipulation system for the other machines of the production cell (D440.1) Report on the integrated tests (D510.1) Validation of the production cell (D520.1)	S5) Innovative integrated production cell: the production cell include machines, last manipulation system and software interfaces

Table 1: ideafoot objectives

Category	Beneficiary name	Country	Contacts
SME	BZ Moda s.r.l.	Italy	Gianni Ziliotto bzmoda@bzmoda.it
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Table 2: List of partners