

LABORATORY FOR IRRIGATION EQUIPMENT TESTING IN ALBACETE



Regional Center of Water
Research (CREA).
Castilla-La Mancha University.
Albacete.



Regional Department of
Agriculture

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A Calle de Casas Ibáñez, 5
02005 Albacete



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En esta dirección:

- Alcosystem Estanterías S.I. -
- Cerrajería Culebras -
- Onda Radio Torres S.I. -
- Orange Business Spain S.A. -

Maps Labs - Ayuda

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200 km
100 mi



miguelcrea@hotmail.com ▾

Mapa Tráfico

ES 100% 11:00 25/05/2012

Context

- Originally, an area of the Regional Government for agricultural machinery testing
- Currently utilized by CREA-UCLM and Regional Government for irrigation equipment testing
- Funded by the Regional Government relative to the location (building, energy consumption, ...)
- Funded by the Ministry of Science in Spain and FEDER in Europe regarding the hydraulic infrastructure
- Funded with contracts with enterprises through CREA (main source of funding and activity)
- Staff associated to contracts with enterprises (1 Engineer + CREA staff)
- Non certified facilities, but fitting the standards

Main objectives of the Lab

- Help farmers in the decision making process when selecting irrigation equipment by testing samples, as a part of the irrigation advisory service
- Give the opportunity to the enterprises to test and characterize their equipment.
- Formation of technicians and farmers in the use of irrigation equipment by performing training courses and exhibitions
- Research and development activities
- Participation in the Spanish Normalization committee, mainly for sprinkler irrigation

Main activities

- Testing irrigation equipment (according to current standards)
- Research and development

Main activities

- Testing irrigation equipment (according to current standards):
 - Valves



Main activities

- Testing irrigation equipment (according to current standards):
 - Valves
 - Sprinklers (indoor)



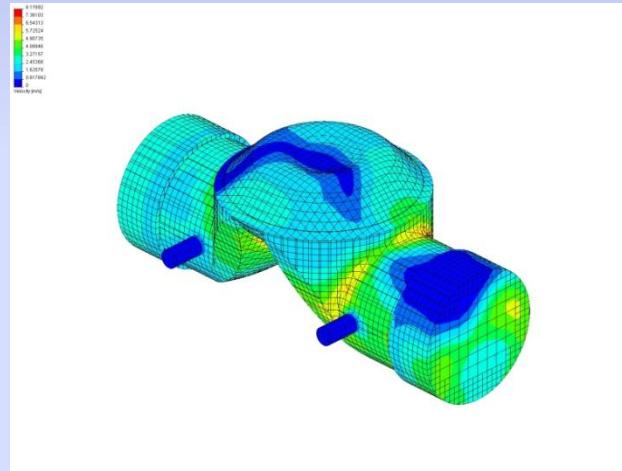
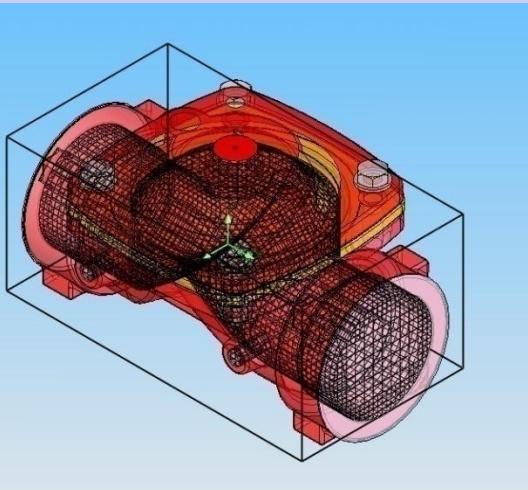
Main activities

- Testing irrigation equipment (according to current standards):
 - Valves
 - Sprinkler
 - Drippers



Main activities

- Research & Development:
 - Design and dimensioning of valves (COMETAL enterprise)



Main activities

- Research & Development:
 - Design and dimensioning of hydrocyclons (SALEPLAS enterprise)

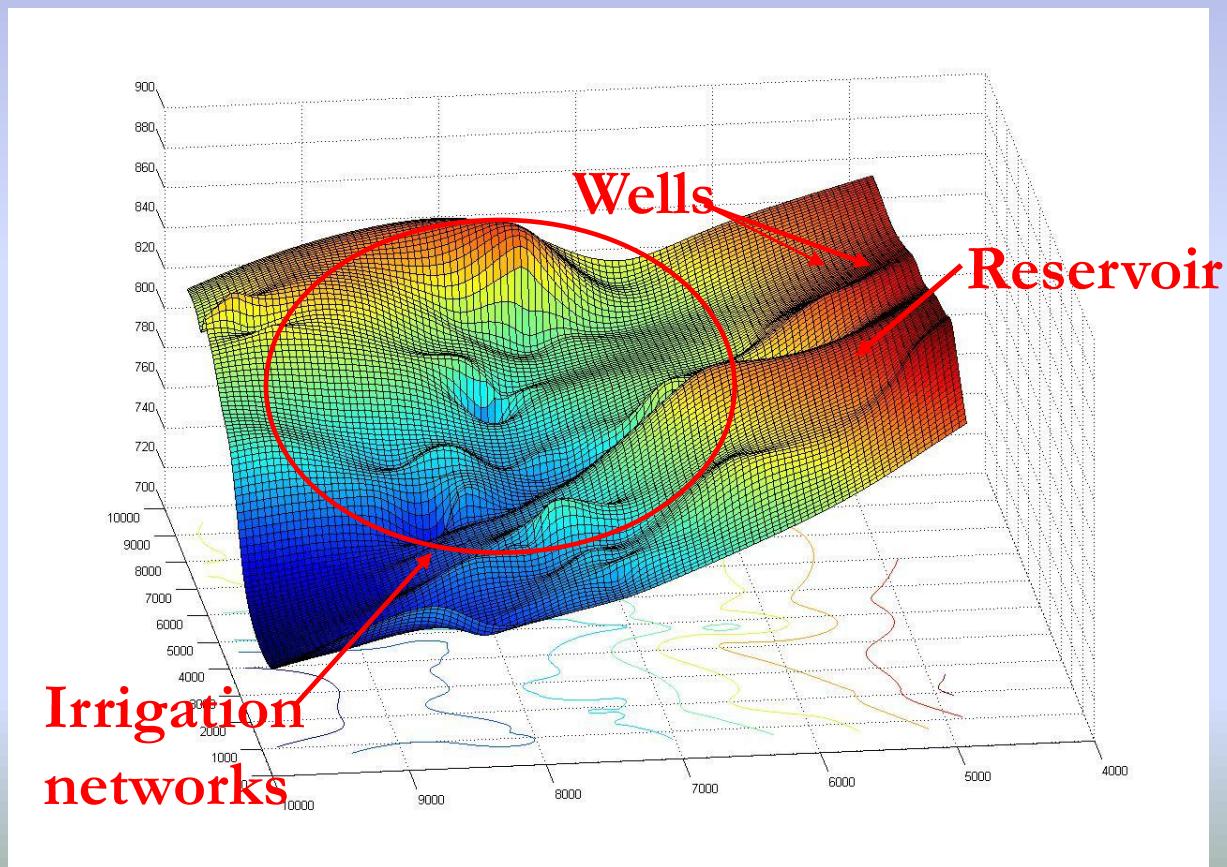


Main activities

- Research & Development:
 - Testing pumps as turbines for energy recovery



Main activities

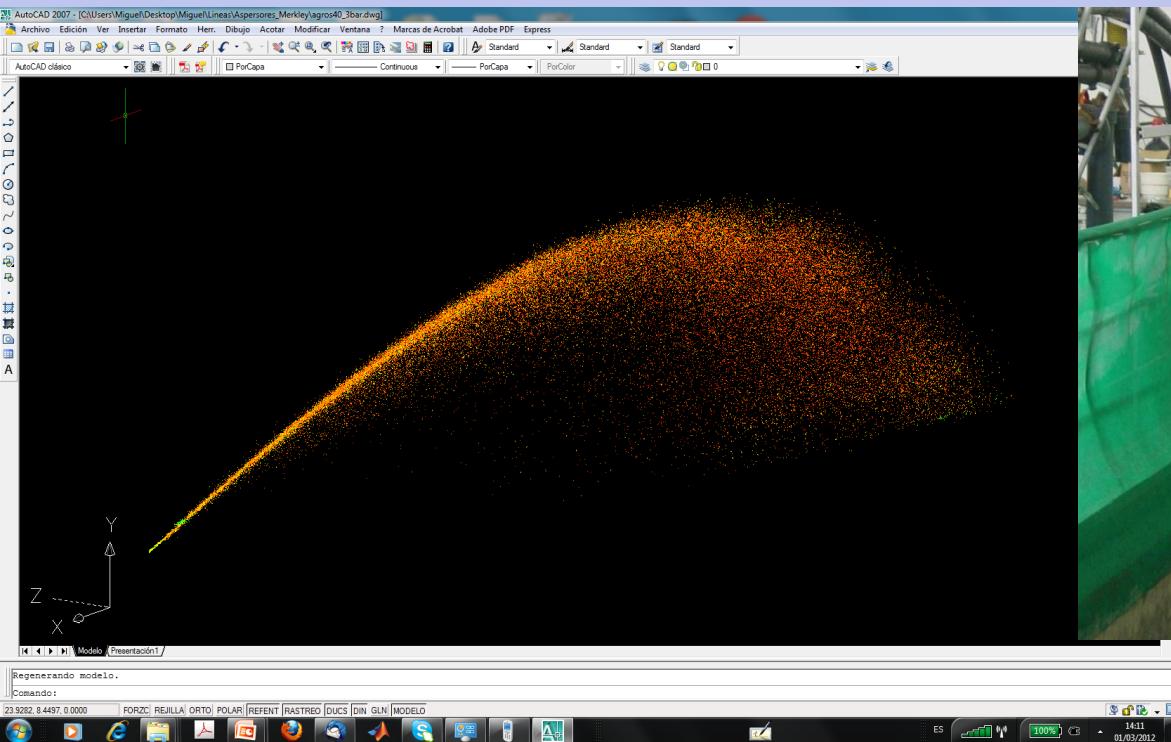


Main activities



Main activities

- Research & Development:
 - Scanner 3D to characterize sprinklers



Wished evolution

- Continue with support to enterprises (manufacturers and others)
- Increasing the support to farmers and technicians
- Increase the activities of research & development
- It is not a main concern for us to obtain the certification