



NGC450 gathers a consortium of 8 European companies, from 4 countries (Austria, France, Germany, Ireland) :



Supported by :



NGC450 is a project labelled by CATRENE under the ID CT306.



More information about CATRENE organisation can be found at www.catrene.org

More information on our website :
www.reciftech.com

News release

Release date:
March 31st 2015

After 3 years of collaborative work, the NGC450 project ended on a technical success

The aim of NGC450 collaborative project was the development of a 450mm wafer handling platform to support the 450mm transition in Europe. RECIF has developed an atmospheric Equipment Front End Module (EFEM) integrated with Asys vacuum cluster, driven by a cluster tool controller (CTC) developed by AIS.

The integrated wafer handling platform was successfully installed @ imec upon September 2014. It surpassed all expectations in terms of cleanliness and throughput. The consortium successfully demonstrated that a 450mm cluster could sustain the throughput of a 300mm equivalent cluster, for a given process.



RECIF 450mm EFEM installed in imec clean room

This achievement was made possible thanks to the support of public authorities from France (DGE), Austria (FFG) and Ireland and thanks to the guidance of CATRENE.

The consortium is composed of 8 partners from 4 countries: EVG (AT), AIS, ASYS, Fraunhofer IISB, HAP (DE), CEA Léti, RECIF Technologies (FR), Intel (IE), with the support of imec (Be).

Today this project delivers an off-the-shelf and turnkey solution for 450mm automation, and automated wafer loading / unloading into process or metrology chambers, in atmospheric or vacuum environments.

Advanced cleanliness of RECIF atmospheric robotics (particles and ion metal) has demonstrated the capability to support 10/7 nm technologies, while offering fast throughput. More detailed data are available upon request through your regular sales contact or contact@recif.com.

NGC450 achievements will constitute key inputs for follow-up programs in ECSEL JU and CATRENE frameworks. It will also stimulate the collaboration with partners from outside Europe.

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