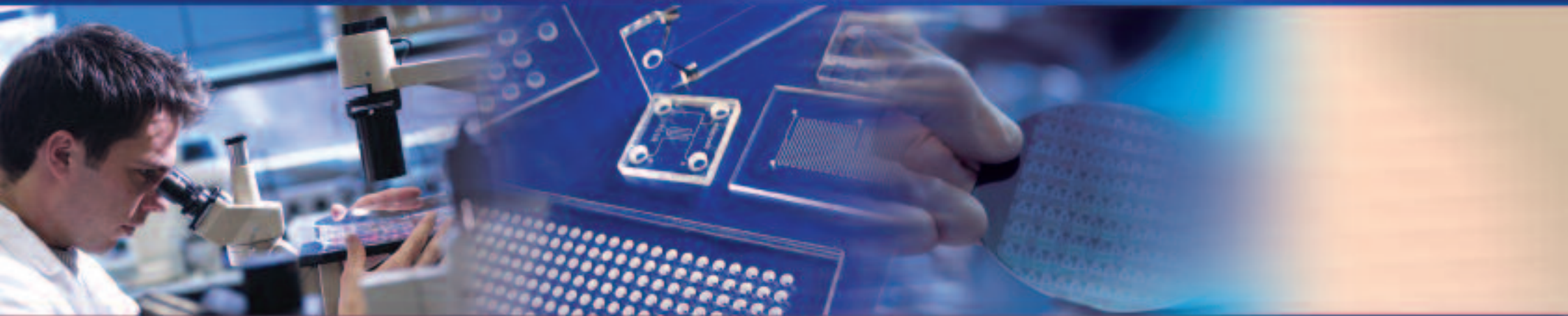


MESA



**MESA+TECHPARK**

**Center of Innovation in Small Tech**



## Center of Innovation

The MESA+ Tech Park is the result of the entrepreneurial spirit that surrounded the MESA+ Institute from its start in 1989. Since then more than 25 companies spun out of the Institute or chose to establish themselves next to our institute and its central laboratories.

Over the years a vital cluster of economic activities has grown, based on a number of facilities offered and measures taken. These measures include mutual cooperation in facilities and equipment, active business development, VC contacts and industry-targeted laboratories and offices. New cooperation modes are pursued continuously, leading to tailored participations and a so-called Technology Accelerator enterprise.

## Cooperative Environment

At the MESA+ Tech Park you will find all essential elements for cooperative innovation: the Institute as a source of new ideas and a partner in research at the micro and/or nano scale. The cleanroom and analysis laboratories for your research, prototyping and production. Enabling companies to help you transform your ideas into producible small tech applications. Venture Capital and R&D funds. A supportive local government. And an entrepreneurial spirit shared by all of the above.

## MESA+ Central Facilities

### CLEANROOM

The cleanroom is a service facility for MESA+, companies and researchers around the globe. This multi-purpose facility is used by more than 200 users. This is accommodated by a flexible setup allowing for research and small scale production.

- Capabilities and equipment:
- Ebeam Lithography
- Focused Ion Beam
- UV lithography and mask shop
- Large set of PVD and CVD systems for a wide range of materials
- Large set of dry etching tools (RIE, ICP, IBE, etc.)
- Ion implantation
- and more...

For more information and a full list of available equipment see [www.mesaplus.utwente.nl](http://www.mesaplus.utwente.nl)

### CENTRAL MATERIALS ANALYSIS LAB

At CMAL materials analysis is performed both for MESA+ and for external clients. Analysis is restricted to materials in the solid-state and samples supplied by our clients are analysed on their surface and internal structure using techniques like XPS (X-ray Photoelectron Spectroscopy), SEM (Scanning Electron Microscopy) and TEM (Transmission Electron Microscopy).

More information on CMAL can be found on [www.mesainfo.el.utwente.nl/labs/cmali](http://www.mesainfo.el.utwente.nl/labs/cmali)

Various specialized characterization facilities are available on-campus for optical, magnetic, mechanical, chemical and electronic evaluation.

## Your business at the MESA+ Tech Park

There are many ways to advance your micro- or nano-business at the MESA+ Tech Park. You can collaborate in joint research projects with the MESA+ Institute. Or locate your technicians at the Tech Park to process your micro- and nano-devices at the laboratories. Construct your innovative devices in collaboration with enabling companies present at the Tech Park, that have full insight in the available technologies. Special lab facilities allow you to smoothly develop your company's equipment base, in conjunction with the available equipment. Targeted IPR arrangements can be made with MESA+.

To take full advantage of the MESA+ Tech Park habitat you can locate your company right at the heart of it, to be close to the facilities and close to the breeding place of new ideas and solutions for your future micro & nano applications.

## Facilities

For your groundbreaking small tech innovative efforts the MESA+ Tech Park offers a range of facilities. You can make use of the fully equipped 1200 m2 cleanroom facilities, supported by our professional staff. There is also cleanroom space available for rent, to house your own dedicated equipment. Analysis of your processed devices is carried out at the Central Materials Analysis labs adjacent to the cleanroom and in other specialized facilities at the campus. Office space for your business as a whole or your process-engineers is available next to the laboratories. Additional housing is found on the University Campus or at the Business & Science Park next to it.



## MESA+ Institute for Nanotechnology

The presence of the MESA+ Research Institute strengthens the innovative power of the Tech Park. MESA+ is one of the largest nanotechnology research institutes in the world, delivering competitive and successful high quality research. It uses a unique structure, which unites scientific disciplines, and builds fruitful international cooperation to excel in science and education.

In collaboration with its partners in the national Dutch nanotechnology initiative, it focuses its research, amongst others, on the areas of:

Nano-Fluidics - Nano-Fabrication - Nano-Photonics - Nano-Materials.

MESA+ institute for nanotechnology is part of the University of Twente and has intensive cooperation with various research groups worldwide. It employs 450 people of which 250 are PhD's or postdocs. MESA+ has a turnover of 35 million euro per year of which more than 55% is acquired in competition from external sources.

## Support

The MESA+ institute, the Development Agency East Netherlands, the City of Enschede and the Province of Overijssel actively support the MESA+ Tech Park. They have staff available to help you find the best solution the Tech Park has to offer you. With their insight in available technology and experience in business development and funding, they can speed up the process of finding the right partners or help you establish a new business or subsidiary.

Initiative supported by:



**Universiteit Twente**  
de ondernemende universiteit



participatiemaatschappij oost nederland

development agency east netherlands

## Contact Information

Please send your information requests to [info@mesaplus.utwente.nl](mailto:info@mesaplus.utwente.nl), or get in contact with our partners

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