



**Electronics**  
**From idea to product**

## Future-proof solutions that adapt as you adapt

- ✦ "Who can supply me with top-quality PCBAs within a short space of time?"
- ✦ "How can I ensure that all of the elements involved in the development and production phases are perfectly coordinated and aligned with each other?"
- ✦ "What solutions will be practicable in the long term too?"

## "How can I translate my idea into innovative electronics?"

Electronics form the basis for all control systems. It will therefore come as no surprise to learn that Actemium has its own electronics department. Its role is to turn your ideas and expectations into an electronics product or specific control component. Working with you, we define your requirements and investigate the technical and practical feasibility of your request. Using this process-driven approach and advanced tools, we develop and design electronics that meet your precise requirements

### From idea to product

So, you have a great idea for the development of an innovative electronics module. Actemium can help you to turn that idea into a practical design and then into a product that you can actually bring to market. To do this, we cooperate closely with your own specialists.

We start by clearly defining what your wishes are and then look into the technical feasibility and practical application of your request. We then develop the details of the electronics,

including any embedded software.

We draw up an outline for the product design and design a pilot run

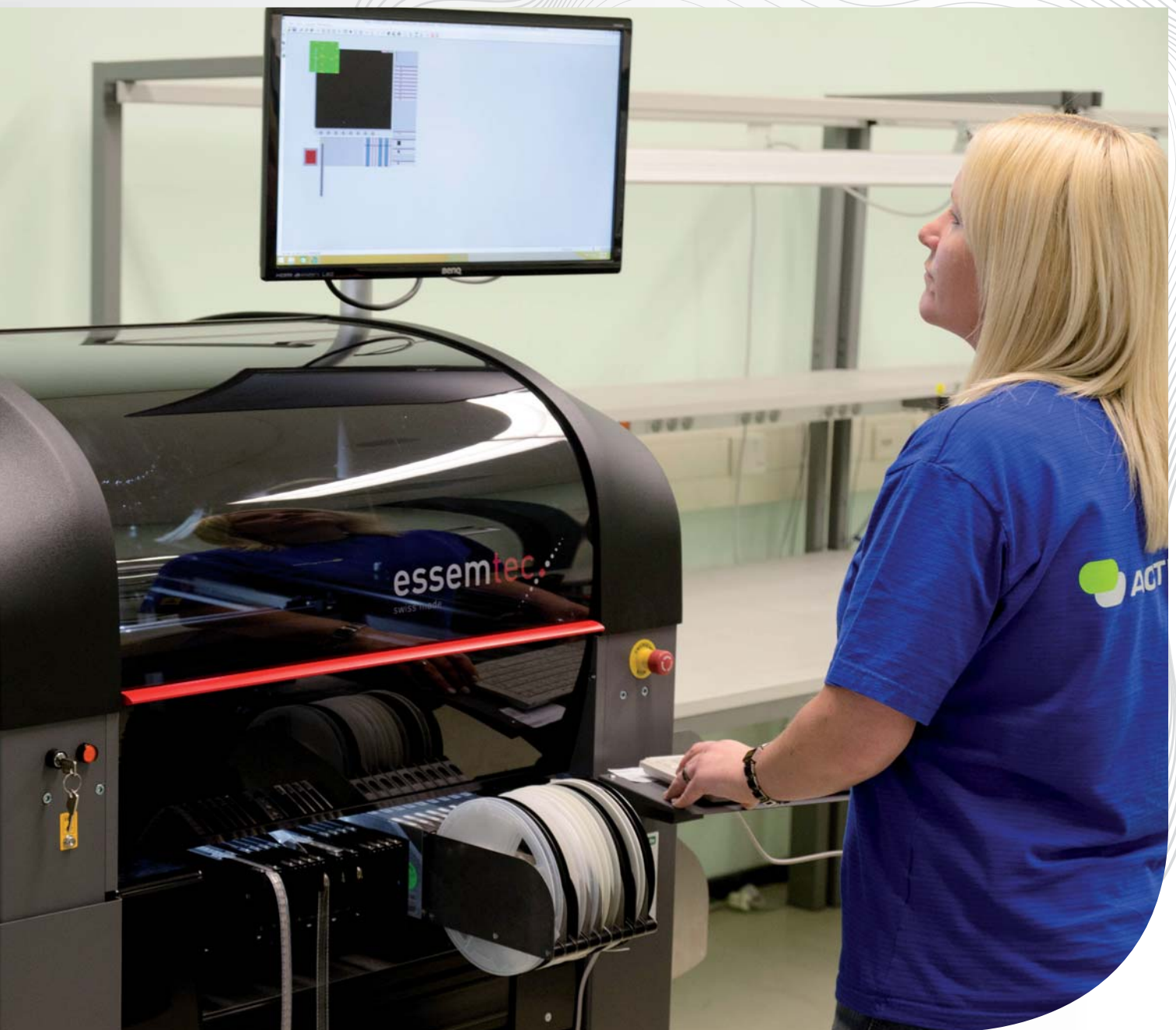
### More than just a product

You come to us with a request for a product, but are actually looking for more than that. This is why we ensure that engineering, assembly and manufacture, logistics, quality control, document management and communication are perfectly coordinated and aligned with each other. We also include the whole supply chain

management in this. What are the benefits for you? Firstly, turnaround times for the development and delivery of a prototype are short. In addition, we ensure that your product is prepared for manufacture in a cost-efficient way through the application of cost engineering. The whole process is based on the *First Time Right* principle. This assures you of the highest quality.

### Look no further for follow-on batch runs and spin-offs

Interested in follow-on batch runs or



spin-offs from a prototype? Our manufacturing department is optimally equipped to handle the manufacture of entire PCBA batch runs, irrespective of whether they involve through-hole components or the mounting of SMD components.

Our specialists then select the soldering method that is most suitable for your product. This may be wave soldering or vapour phasing. Alternatively, we can use our reflow oven. Actemium is also a committed partner when it comes to module building and cable

and wire assembly, providing a full-service solution.

#### **Benefit from our worldwide network**

Actemium has an in-house purchasing department and a worldwide network of suppliers. We also have a unique database at our disposal, along with an extensive knowledge of the components market. These enable us to purchase all of the materials required, or any replacement components, on your behalf. Lead times and prices are,

of course, always the best available.

#### **Our products adapt as you adapt**

Actemium builds products in both low and high volumes for companies in many different sectors. Our many years of experience allow us to offer you long-term solutions. We do so by making use of various materials, such as Rogers material for high temperatures, Flex-Rigid and hard gold finishes. We also supply PCBAs with more than 30 different layers.

# ”Electronics design and production - all at one address”

## You are looking for:

- innovative and future-proof solutions
- short time to market for both completely new designs and redesigns
- a reliable partner for the manufacture of industrial electronics/microelectronics
- one point of contact for everything from development to the manufacture of your electronics product or control component

## Why choose Actemium?

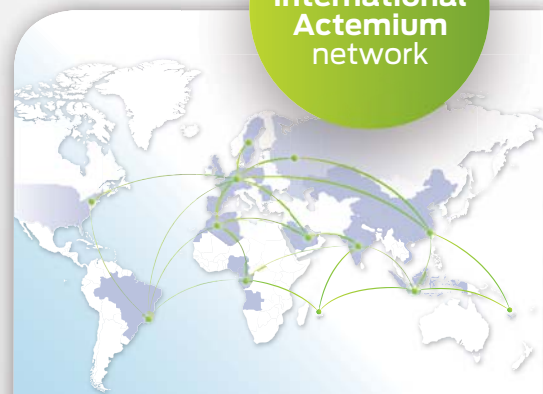
- extensive experience within the high-tech industry
- one permanent point of contact for design, prototyping and production of your electronics
- an end product that corresponds to your specific requirements and wishes in every detail
- transparent agreements and a flexibility in approach and implementation
- specialist knowledge of PCB design (Cadence Allegro/OrCAD, Altium, Mentor Graphics)
- capacity for building PCBAs into a control box or enclosure
- Actemium is part of VINCI Energies. You benefit from a strong worldwide network possessing a wealth of knowledge.

## Interested in finding out more? Contact:

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The  
international  
Actemium  
network



A network 100%  
dedicated to industry

**40** countries  
**300** Business Units  
**20 000** engineers & technicians

**2.1 billion** euros turnover

Improving **industrial performance**

## Manage Movement

Without movement, everything stands still. Agility is key, also in the consultancy, engineering, realization, commissioning and maintenance of industrial installations. Committing and managing the appropriate expertise at the right time, all over the world. Responding flexibly to changes. Constantly seeking innovative Solutions & Services that will improve your processes. We call it Manage Movement.

The network of Actemium – the brand of VINCI Energies for industry – counts 20,000 specialists and 300 business units in 40 countries. In the Netherlands, 850 enterprising professionals, working from 23 business units, bring movement to industry. For clients active in oil & gas, food, brewery & beverage, feed, chemicals and pharmacy, wholesale & distribution and manufacturing.