



//Your advantage:

- > Complete solutions from a single source from the idea to the product
- > Highest quality through our extensive know-how in the areas of general mechanical engineering, drive technology, fluid technology, electronics and production
- > Conversion of our designs into real systems via our prototype building and verification in our internal test laboratory
- > Personal support during the whole project period
- > Flexibility and rapidity by our manageable company size
- > Quality and schedule control
- > Transparency and calculability through detailed project and cost plans

> **Elektronis**
 > **Mechatronics**
 > **Hydraulis**
 > **Pneumatis**

Transforming ideas into products

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// Transforming ideas into products



// Trust in our experience

DELTA was founded 1994 as an office for engineering services. We are active in the field of order-related developments. Benefit from our comprehensive experience in fluid technology, mechanical engineering, electrical engineering and mechatronics! From problem solutions for existing products to new product developments, our motivated team of highly qualified engineers is at your disposal.

// The best solution for you: complete and individual

As a problem solver with extensive Know-how, we offer you complete solutions. After defining the requirements and development goals, we develop the solution independently and on our own responsibility. Our internal prototype building provide early visible results and makes development progress and continual improvements easy measurable for you.

We tailor our services that they fits to your requirements and needs - and beyond our own development, which fulfils the highest quality standards, we are able to coordinate all external partners so you can get everything from a single source.

// Diverse know-how from specialists

Our process chain usually begins with a market and competition study or a feasibility study. Initial concepts and drafts are created on the basis of calculations and simulations. We construct these in detail and then create production drawings. After the procurement of the parts (in our external production network), the assembly of the prototypes as well as their verification takes place in our test laboratory.

Since the initial assembly is carried out by us, the feedback received can flow directly back into the development. In our own test laboratory we test both hydraulic and mechatronic components and systems, including the associated control systems. With the help of digital measurement results and subsequent documentation, you receive detailed information about the expected system behaviour at an early stage.

Special machine engineering

We are able to support you in the construction of special machines and equipment. Here we can offer you the complete range from simple mounting aids to complex handling and assembly machines.

Test equipment

We help you to develop test concepts for both mechanical and hydraulic test benches, to plan and build test facilities or to optimize existing test benches.

Elektronics development

The electronic engineers working in our team develop and manufacture the control electronics suitable for the functional models and prototypes. For our customers, this closes the gap between electronics and mechanics or hydraulics. In addition, this enables a mechatronic or fluid-electronic overall approach, which often offers considerable advantages.

Our range of services in detail:

- > Control electronics
- > Power electronics
- > Control units for DC and stepper motors
- > Control units for aggregates and valves
- > Evaluation electronics
- > Integration of the electronics into the system
- > Sensor integration
- > Mikrocontroller programming
- > Building of function samples