

## BUSINESS CASE

## MOTOR CONTROLS

### THE CHALLENGE

A producer of high-quality valves for the air conditioning of large buildings found that its new valve control technology involving brushless motors was not competitive. Cost analysis showed that the electronics were too expensive, so the producer started looking for know-how and a solution to optimise it.

### THE SOLUTION

ATech applies its own control algorithms to the product, thus optimising the system by using a high-performance DSP processor. The choice of the processor is crucial and, from this point on, there is no turning back. The development of the electronic circuit and application follows. The development of the concept takes 6 months and the optimisation is carried out in cooperation with the customer. After the first prototypes are made, there is a period of testing and building new prototypes. Production begins a year after the initial idea.

### OUR PARTNERSHIP

- Improved electronics performance
- Product size reduced by 40%
- Huge savings: 50% lower production cost

