

## Hoist-drive for the fork-lift

### ➤ Customer:

Iskra Avtoelektrika, Sempeter, Nova Gorica, Slovenia

### ➤ Product description:

Battery supplied MOSFET inverter, controlled by means of a digital signal processor, which controls and runs a 3-phase induction motor attached to the fluid pump, said pump in turn lifting the weight of the fork-lift. DSP-based control enables high efficiency. Differentiated diagnostics is capable of distinguishing between instantaneous overload and a faulty condition. Indirect weight measurement from the pump-motor terminal quantities.

### ➤ involvement:

DSP-hardware design, control and communication embedded software design and documentation.