



## Energy-efficient Life Cycle Management for SKIDATA Products

### SKIDATA Hardware & Software

- Optional lighting: point-of-sales, gates, etc. are equipped with the latest LED lighting
- Use of microcontrollers and embedded CPUs in the units with low power consumption
- Use of fan-free premium power supplies (pulse) with very high efficiency
- The compact equipment design minimizes material usage
- Heating and fans are only needed outdoors; temperature thresholds can be set individually
- Power to the gate motors is switched off completely when the barrier boom is in its end positions
- Column display and attached reader can be switched off and then activated only when a vehicle is on the presence detection loop (display lighting, coder, long-range reader)
- Use of control functions via I/Os; external devices are only active when they are actually needed (for example, external video camera when presence detection loop is dampened)
- Process control and monitoring functions via Operator.Service (for example, CO2 monitoring and light switching on vacant floors)
- SKIDATA Parking.Logic supports Windows Power Save mode
- No ink or other expendables needed for operation
- Long-life RFID cards as access medium reduce wear and tear and paper ticket consumption
- FSC certified paper tickets made of recycled materials can be processed by SKIDATA devices (see [www.fsc.org](http://www.fsc.org))
- Remote monitoring with remote software updates reduces the need for onsite service engineers

### Production

Saving energy begins with the production of our devices. We take the following measures into account:

- Heat recovery for wave soldering machines and reflow ovens; soldering irons switch to standby mode
- Flux replaced with aqueous base
- Warm water generation via waste heat from air compressor
- Heating of automatic high-shelf storage facility via waste heat from air compressor
- Use of water-tight finishes
- Multi-use packaging for serial parts
- No air conditioning units in the production areas
- Care in sorting garbage

### Logistics

Optimized logistics helps to save on fuel:

- Centralized logistics and delivery warehouses reduce transport distance from supplier to client
- Regional proximity of production partners reduces transport distances
- Systems are typically delivered directly from producer to construction site
- Packaging made of cardboard instead of plastic (if possible)

### Service

By developing test units and test software for SKIDATA devices, we ensure efficient troubleshooting and enable components to be repaired locally.

SKIDATA supports the initiative

**Klimaschutz. Wir tun was.**

(We are doing something for climate protection)

