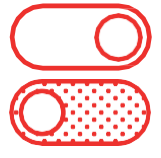
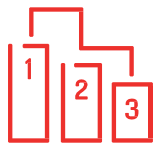







## ADVANTAGES DUE TO NEW INVERTER CONTROL SYSTEM



 <p>One uniform control component for all frequency and power ranges</p>	 <p>Parametrization via software</p>	 <p>Ethernet, ProfiNet (optional: W-Lan) interface available</p>	
 <p>Remote maintenance via Internet</p>	 <p>Changing operating parameters via remote access</p>	 <p>Error memory with listing of an error history</p>	 <p>Actual value memory with integrated line recorder</p>

## Power supply Frequency Converters

- IGBT inverter technology
- Digital control unit
- Direct and resonant circuit converter
- Power range from 5 kW to 5 MW
- Improved energy efficiency
- Frequency range from 20 Hz to 500 kHz
- Integrated Siemens PLC with HMI Panel
- Single and multi energy output
- Remote service via Internet
- Integrated recolling unit
- Water station
- Service and upgrades
- Retrofit



## ADVANTAGES of digital IGBT converter technology

- **High energy efficiency**  
Modern transistor technology reduces energy losses
- **Reduced harmonics and improved electromagnetic compatibility**  
due to diode rectifier and line filter
- **No reactive current compensation at mains**  
Improved power factor  $\cos \varphi$  about 96%
- **Digital converter control unit**  
One control unit for all converter types reduces amount of spare parts
- **Remote access**  
Fast support via internet
- **Integration into existing systems**  
easy replacement or modernization of old systems
- **Improved operation conditions**  
Computer aided calculation of optimal process conditions
- **Customized production**  
designed for individual local conditions and customer needs