

Dubai puts its trust in Watt Antriebstechnik

Watt Drive customers are able to rely upon made-to-measure, customised solutions that meet 100% of the demands made of them. At Watt Drive, developing solutions for all sectors of machine engineering and implementing them alongside our customers is not something we undertake lightly, but instead we relish the challenge.



The company Power Machines LLC in Dubai is a market leader in façade service applications in the Middle East and focuses on developing and producing systems for skyscraper window cleaning and façade renovation. What this customer requires from Watt Drive is the conception of complete drive solution for newly developed traversing systems.

System suppliers with quality management systems conforming to DIN ISO 9001-2000 are an essential requirement here.

The drives must meet all safety standards in the field of crane construction, withstand an ambient temperature of +10°C to +50°C and must of course offer easy maintenance.

The MAS geared motor concept from Watt Drive meets all these requirements to the letter. The modular drive system of the drive components and the directly mounted add-on motors (WAR) are selected as required to meet the customer's requirements and supplied as drive systems by Watt Drive!



Figure 1: Operation journey of a facade lift in Dubai

The commissioning and subsequent test run of a facade lift is shown in figure 1. Numerous mechanical and electrical safety components are used in this system. Correspondingly high demands with regard to operating safety and reliability are placed on the drive technology used.

Geared motors utilised:

The drives used in this project are geared motors in the parallel shaft geared motors F.. series and shaft mounted geared motors in the A.. series.

Rotary drive: FFA 110D 72K4 BRR5 KB K2 TH ZL ...

Travel drive: AFA 65C 72N6 BRR5 KB K2 TH ZL ...

All drives are equipped with the following additional equipment, among others:

- Rust-proof spring loaded brake (BRR5)
- Corrosion protection (K2)
- Condensate holes (KB)
- Bi-metal thermal protection switch (TH)
- Fly wheel fan (ZL)

Figure 2:
Rotary drive

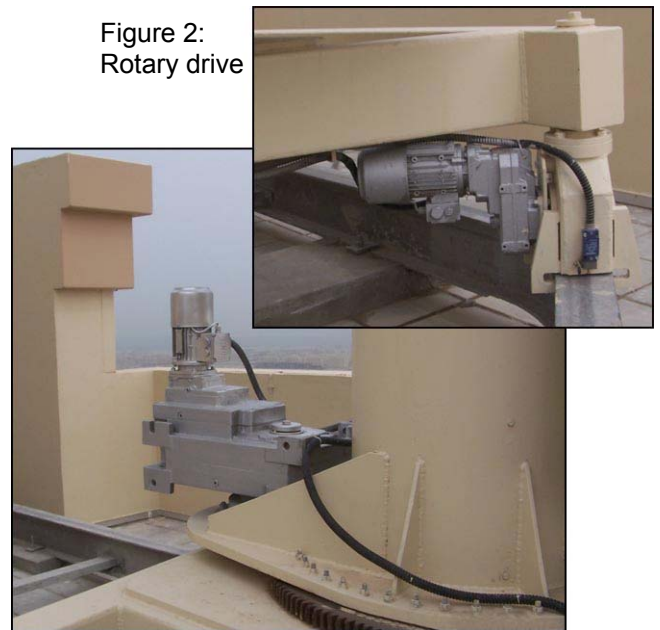


Figure 2: Travel drive

The universal UNIBLOCK gear units with their flexible assembly and fitting options offer the customer benefits in terms of efficiency and availability.

Thanks to our customer's confirmed trust in our expertise, other projects are also planned for coming years and some work has already started on implementation.

For more information on the Watt product range, please visit our website at www.wattdrive.com.