

## ***Paddle switches control flow of wood chips and ash at high temperatures***

Pyroforce, a Swiss firm specialising in technology for generating energy through combustion of biomass, was recently seeking level limit detectors to work in a reactor which produces gas as a power source. The sensors regulate infeed of wood chips, which are burnt in the reactor, as well as discharge of ash. The instruments are required to operate effectively at temperatures as high as 600°C and a further complication is that condensing hydrocarbons such as tar build up on the equipment surfaces. For this demanding application two ROTONIVO® 6000 rotating paddle switches from UWT of Betzigau, Germany, were chosen. The units were equipped with high-temperature bearings and seals. One of them was provided with higher than normal torque to counteract the effect of accumulated tars, while the other was equipped with special features to protect against blockage by the ash.

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***One of the two ROTONIVO 6000 level limit paddle switches supplied by UWT***