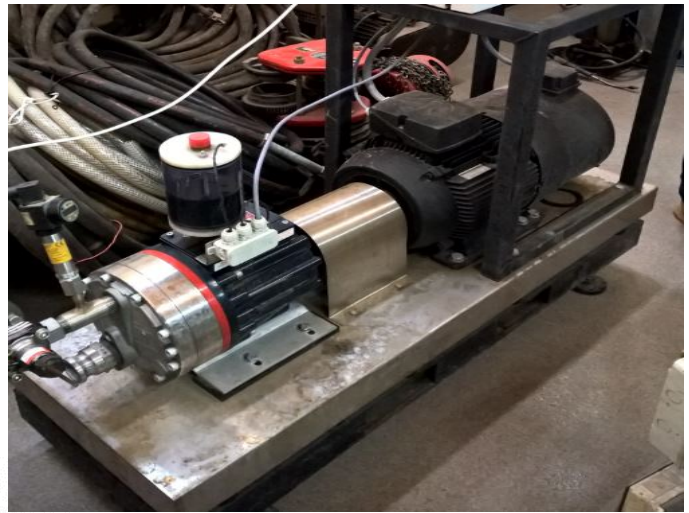


Application story



Chemical Cleaning in Power Generation

Location	Poland	Hydra-Cell model	G25EKTJTTTTB / G35EKTJTTTTB
Type of application	Chemical Cleaning in Power Generation	Flow rate	1.5 - 7 m3/hr (396 - 1850 US gal/hr)
Liquid	Hydrochloric Acid Sulphuric Acid Hydrofluoric Acid Ammonia Hydrogen Peroxide	Pressure	45 bar (652 psi)
Application details	Energopomiar have been involved in power industry for over 60-years, with their major areas of activity being testing, measurement & diagnostic of power units & equipment, chemical cleaning, steam blowdown and consulting & measurements related to operation of equipment. The nozzles & pipework near to the burners tend of suffer from a build-up of heavy and often very hard carbon deposits, which need to be removed frequently in order to maintain the systems efficiency. Chemicals used are: - Hydrochloric Acid (35%), Sulphuric Acid (96%), Hydrofluoric Acid (70%) - Ammonia (25%) - Hydrogen Peroxide (30%) A tanker containing the above is taken to site and a mobile pump & motor set connected and by a process of spraying the aggressive acids, then neutralising with strong alkali's, the deposits are removed. A variety of other pump technologies were either tried or considered and discounted, as Hydra-Cell proves to be the most reliable and safe option, completely containing these dangerous chemicals.		
Advantages of Hydra-Cell pump on this application	Hydra-Cell was chosen for this application for the following reasons: - It's seal-less design, containing these dangerous chemicals completely. - Vastly reduced installation costs, eliminating he need for suction stabilisers & pulsation dampeners. - Very low life cycle costs.		
www.hydra-cell.co.uk			
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