

THE TAS GROUP OF COMPANIES

GROUP PROFILE

TAS

Technical Application Software (TAS) was founded in 1991 by **Harry Rosen** in order to produce software for the pump manufacturing industry. Products produced by TAS include:

- **Testbed** – produces technical specifications and test performance curves from test data input by the designer
- **Graftec** – allows manufacturers to produce their own pump catalogues in house
- **Aquatec** – is the leading Windows based pump selection package. Also available in an online version enabling an inexperienced user to select and analyse pumps directly from their web site
- **Pump Engineer's Toolbox** – offers a wide range of commonly used pump related calculations

Harry remains the sole owner of TAS, which retains the Intellectual Property rights to all TAS products.

TAS Online

In 2000 Harry decided to turn his attention to the user side of the pump industry and to exploit the great advances recently made in low cost communications and internet availability in combination with the depth of knowledge on pumps and pumping systems acquired during the preceding years.

TAS PumpMonitor was developed to provide users of industrial pumps with continuous visibility into the operating performance of their pumps in near real time. It quantifies the inefficiency cost of a pump over its lifetime, identifies potential equipment failure before it manifests and calculates the optimum time to refurbish or replace the unit, thus minimising total life cycle cost.

It is supported by analysis of reasons for inefficiency and proposals for effective measures required to rectify the problems identified in both the pump and the pumping system.

It remains unique world wide in terms of its affordability, robustness and the volume of information it provides across a wide range of centrifugal pumping configurations, quantified in both electrical and financial terms.

TAS Online was founded as the sole marketing and support agent for TAS PumpMonitor. Its directors are:

- Harry Rosen – Managing Director
- Greg Adcock – Engineering Director
- John Schulkins – Business Development Director
- Pierre Willemse – Financial Director

TAS PumpMonitor is installed in a number of major mining operations in South Africa in both dewatering and process applications, and is expanding into water utilities, power generation and pulp and paper plants.

TAS Online is now ready to move into the world market. A partnership with a major international corporate has led to a successful pilot study with a water affairs company in the Middle East, and an agency has been established in the USA.



The International Pump User Conference (IPUC)

The first of these biennial conferences was held in 2005 in Johannesburg and was organised by Harry Rosen in conjunction with the South African Institution of Mechanical Engineering (SAIMechE).

IPUC 2005 attracted 120 delegates and was followed by a one day workshop given by Larry Bachus 'The Pump Guy'. The success of this workshop was a major factor in the establishment of 2KG Training (see below).

In 2007 attendance at IPUC rose to nearly 200 with 18 high quality papers being delivered on the theme 'Towards Improved Energy Efficiency and Reduced Life Cycle Costs of Pumping Systems'.

IPUC 2009 aims to expand further and attract more international participation. Once again TAS has secured high profile keynote speakers from Europe, USA and South Africa to talk on 'Towards a Systems Approach - Understanding the effect of pumps on overall system performance'. Two days of workshops will follow the Conference.

2KG Training

2KG was set up in 2005 in response to requests for training from customers and the realisation of the crippling effect that the shortage of skills at all levels was having on the effectiveness and efficiency of pumping systems.

2KG offers a variety of courses on various aspects of pumps and pumping systems and prides itself in the quality of its lecturers. Presenters are selected for their depth of first-hand experience and are drawn from both the South African and international pump industries.

For further details of the Group companies and their products and services please visit our web sites:

www.tasonline.co.za

www.2kg.co.za

www.ipuc.co.za