

CORE COMPETENCIES

PROJECTS: PHOTOVOLTAIC (PV)

For planning “the way to your system”, we start with an initial **consultation and site visit**.

Understanding your specific needs and circumstances, is essential. Our choice of clients is important to form a long-term relationship.

Phase two is taking **measurements**, as using guesswork or working with averages, leaves you with patchwork.

The third step leads to the **design of your system and selection of components**.

We excel in design solutions and product selection, suitable for African conditions and your specific project.

Life cycle costing, social and environmental considerations are central to good decision making.

The next steps are **installation and training** of all participants to ensure an understanding of systems thinking.

Last step covers **maintenance and verification**.

This service guarantees the initial project and pro-active maintenance.

With our award winning and record-breaking projects, we proudly proof our commitment to quality.

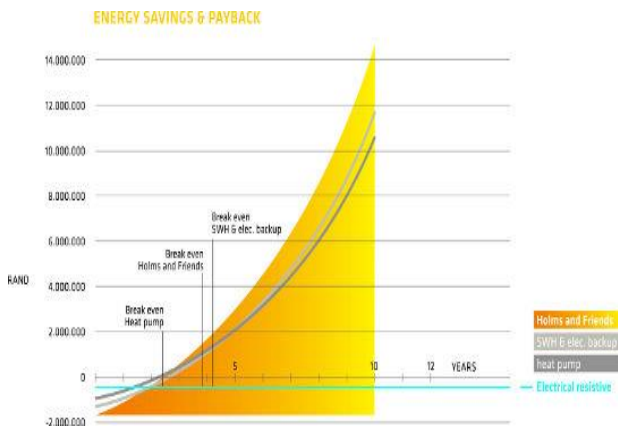
PROJECTS: SOLAR THERMAL

Thermal energy is the biggest component of the energy consumed in the build environment. As heat is mostly required during peak demand times, it also adds approximately 38% to the peak demand. Using electricity to heat is not efficient, therefore alternatives like solar power is not only the better choice, but contributes to the change for less polluting energy use.

At Holms and Friends we combine good understanding of the **user requirements, proper design, demand side management, a controlled construction with training, monitoring and verification** to achieve award winning solutions. Although the payback period might sometimes be slightly longer, the Life Cycle Cost and Levelized Cost of Electricity outperform other strategies by far.

Our projects include domestic, commercial and industrial systems. The largest South African unglazed system (pool heating) of 1.080m² and the currently largest glazed flat collector system (700m²), are among those designed and constructed by Holms and Friends. Systems also include high pressure vacuum tube collectors.

The projects have different backup systems, depending on the circumstances. This could include: electrical resistance heating, heat pumps, gas burners, diesel boilers and wood burners for instance. The latest projects combine heat pumps.



PROJECTS: TRAINING

Holms and Friends proud ourselves in supplying two types of training:

- Education for sustainable development; here we reach out into communities, schools, business organizations, etc for creating awareness around energy, introducing renewable energy use and encouraging lifestyle changes. We also commit to international collaboration by hosting events for creating and taking action against climate change.
- CPD (continuous professional development) training in collaboration with SolTrain (an Austrian Development Agency initiative) and maintenance team training form an integral part of our business to ensure top class installations and maintenance on all our projects.