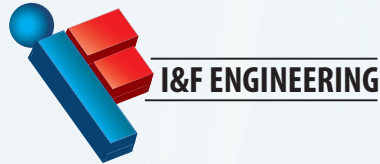


# Profile of Company



**CC registration number:** 2008/054145/23  
**Pr. Ing Registration number:** 20110513

## Background

I&F Engineering is a family-owned company and was started in 2008 by Ian de Jager (Director Pr Eng - Bing Mech) to deliver engineering services to farmers and industry.

Other personnel are:

Annelie de Jager (Financial manager - BCom Fin ), and Ziglinde de Jager (Project Manager - BCom Marketing and Business Management). I&F Engineering is the sole agent in Southern Africa for Ossberger mini turbines which we import from Germany.



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## Mission Statement

Our mission is to establish viable and excellent projects,  
- which utilize the gift of sustainable natural energy,  
- combine smart concepts and past experiences,  
- transforming them into viable and long-term projects,  
- professionally done within ECSA guidelines and tariff structures  
- establishing great long-term and transparent relationships with our clients.

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## Past Projects

### Pump Stations:

Over 25 years of experience on various river abstraction and booster pump stations, doing the design, construction and maintenance as well as fault-finding and optimizing of problem pump stations.

Sizes of pump stations varied from small sewage pump stations to large bulk water pump stations with flow from 10 l/s to 4000 l/s and pressures from 10 meters to 400 meters.

Clients varied from farmers to municipalities and industrial companies.

Work was done in South Africa, Swaziland, Tanzania, Mozambique and Namibia.

### Hydro-electrical plants

Various projects were assessed to deliver viability studies to various clients: Sabie Gorge, Belvedere, Kaap River, Lomati, Montrose falls, Franschoek, Cookhouse, Crocodile Gorge and Komati River.

### Projects managed and maintained:

Stentor - Francis and Cross flow turbines = 600 kW

Lomati - Francis turbines = 450 kW

### Projects designed and in process of applications:

Franschhoek - Cross flow turbine x 2 = 7000 kW  
Marasusa - Cross flow turbines = 12000 kW  
Wolwas - Cross flow turbines x 6 = 9000 kW  
Sabie Uitsig – Cross Flow turbine = 2400 kW  
Jericho – Cross Flow turbine = 400 kW – Micro Grid  
Somerset East 1 – Cross Flow turbines x 2 = 7000kW  
Somerset East 2 – Cross Flow turbine = 3000 kW  
Albert Falls – Cross Flow turbine = 700 kW  
Bains Pass – Pelton turbine = 650 kW  
GFC – Cross Flow Turbine = 360 kW  
Howick – Cross Flow Turbine – 1000kW  
Semonkong (Lesotho) – Pelton Turbine = 1000kW

### Projects in construction:

Sabie - Cross flow turbine = 2500 kW  
Houdconstant – Pelton turbines x 2 = 2000 kW  
Sabie Gorge – Cross Flow turbine = 1800 kW  
Cookhouse - Cross Flow turbine = 520 kW

### Projects completed:

Riverside - Cross flow turbine = 480 kW  
L'Ormarins - Pelton turbine = 1950 kW  
L'Ormarins - Cross flow turbine = 350 kW  
Tulbagh - Pelton turbine = 8 kW  
Klipfontein 1 – Cross Flow turbine = 280 kW  
Klipfontein 2 – Cross Flow Turbine = 520 kW

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## Services

### Hydro-electrical Power Generation Plants (Turnkey)

- Investigation of new possibilities for new plants
- Viability studies with EIA
- Prelim design
- Detail design
- Project management
- Construction and commissioning of Hydro plants
- DIgSILENT Modeling
- Grid Code compliance
- Manage and Hydro-electrical plants
- Maintain Hydro-electrical plants

### Pump Station Efficiency Projects

- Pump station evaluation
- Design and upgrading to optimum efficiency
- Construction and project management
- Maintenance plan

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## Contact details

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