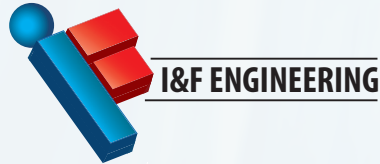


# Profile of Company



**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: Francois de Jager (Director - Bing Elec), Annelie de Jager (Financial manager - BCom Fin ), and Ziglinde de Jager (Project Manager - B Com Marketing and Business Management). I&F Engineering is the sole agents 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 maintainance 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 1500 l/s and pressures from 10 meter to 400 meter.

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, Barberton, Belvedere, Kaap river, Lomati, Montrose falls and Franschoek.

### Projects managed and maintained:

*Stentor - Francis and Cross flow turbines = 600 kW*

*Lomati - Francis turbines = 450 kW*

### Projects designed and in progress of applications:

Franschhoek - Crossflow turbine x 2 = 7000 kW

Marasusa - Cross flow turbines = 12000 kW

Wolwas - Crossflow turbines x 6 = 9000 kW

### Projects in construction:

Donora - Cross flow turbine = 1800 kW

Sabie - Cross flow turbine = 1900 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



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## Services

### Hydro-electrical Power Generation Plants (Turn key)

- 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

### Agriculture: - Irrigation and Water Balances

- Evaluation of irrigation and filtration systems
- Upgrading of irrigation systems
- Project management

### Mechanical and Electrical Engineering

- Eskom energy optimization and billing reduction
- Design and development of new ideas
- Optimizing of factories for energy consumption

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## Contact details

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