



EXPERTS IN HYDRO POWER PROJECT DEVELOPMENT

[WWW.GILKESENERGY.COM](http://WWW.GILKESENERGY.COM)

## INTRODUCING GILKES ENERGY

Gilkes Energy Ltd (GEL) specialises in the development of hydro power projects, especially joint ventures with landowners. Building upon the 160 year track record of our parent company Gilbert Gilkes & Gordon Ltd (GGG) we have put together a highly-skilled development team which includes a full suite of engineering, commercial, financial and legal expertise 'under one roof'.

Along with providing funding packages to help our partners finance their hydro project we also manage the project through its five phases:

1. Feasibility.
2. Permitting and planning.
3. Commercial and financial close.
4. Construction.
5. Operations and maintenance.

**“ WE SPECIALISE IN HELPING LANDOWNERS DELIVER HYDRO PROJECTS OF OUTSTANDING QUALITY WHICH WILL GENERATE LONG TERM INCOME FOR THE FARM OR ESTATE. ”**

# EXPERTS IN HYDRO POWER PROJECT DEVELOPMENT

## 1. FEASIBILITY

1–3 MONTHS

The feasibility stage involves a quick assessment of the project's technical feasibility and economic viability. The objective is to identify any 'showstoppers' as early as possible in the process, such as the absence of a grid connection, 'impossible' terrain or high costs.

**Gilkes Energy (GEL) can help in the following areas:**

- Site identification
- Energy assessment
- Feasibility study
- Initial cost estimate

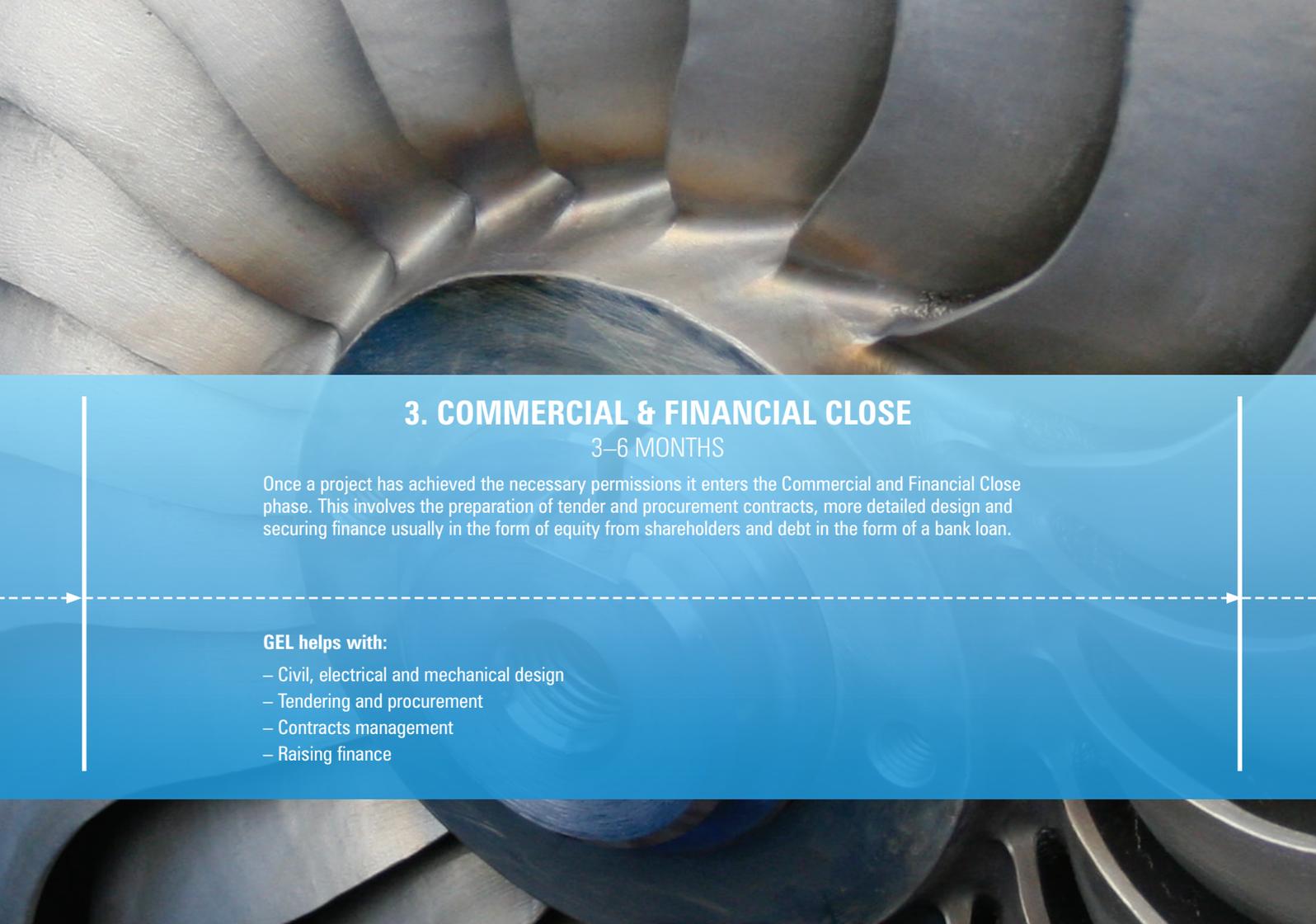
## 2. PLANNING & PERMITTING

12–24 MONTHS

Once a project is deemed to be technically feasible and economically viable it can enter the planning and permissioning phase. This involves a number of environmental surveys and studies, flow monitoring, initial design and consultation with various bodies such as the planners, SEPA and SNH.

**GEL provides:**

- Environmental surveys
- Flow monitoring
- Initial design
- Grid application
- Planning and licence application



### 3. COMMERCIAL & FINANCIAL CLOSE

3–6 MONTHS

Once a project has achieved the necessary permissions it enters the Commercial and Financial Close phase. This involves the preparation of tender and procurement contracts, more detailed design and securing finance usually in the form of equity from shareholders and debt in the form of a bank loan.

**GEL helps with:**

- Civil, electrical and mechanical design
- Tendering and procurement
- Contracts management
- Raising finance

## 4. CONSTRUCTION

12–24 MONTHS

Depending upon the size and scope of a project the construction phase can take between 12 and 24 months. Detailed project planning is required and time is allowed for such things as enabling/access works, the discharge of planning conditions and weather restrictions.

### GEL provides:

- Construction project management
- Cost control
- Payment of suppliers and contractors
- Site inspections and remedial works

## 5. OPERATIONS

50+ YEARS

Once the project starts generating it is continuously monitored for efficiency. Routine maintenance and service is carried out to ensure availability is maximised. The scheme is also administered as a business to ensure cash is collected and operating expenses, loan repayments and tax are all paid on time.

### GEL provides:

- FiTs accreditation with Ofgem
- Maintenance services
- Business administration services
- Remote monitoring



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