



05_ENERGY

ZESCO

Rehabilitation and Up-Rating of Existing Small Hydropower Stations



Between the late 1950s and the early 1970s, rural and provincial electric power supply systems were established in Zambia. Many of the areas served were remote from the main grid and were therefore set up as isolated systems around individual generating stations.

PROJECT Zesco small Hydros	PROJECT TYPE Rehabilitation	LOCATION Zambia	CLIENT Zesco Ltd	TIME PERIOD 2012 - 2016	KEY NUMBERS 4 Sites
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SCOPE OF WORK

In North and East Zambia ample hydroelectric potential was available and this was exploited at a number of sites including:

- Lunzua 0.75 MW serving the Mbala District
- Chishimba Falls 6.0 MW serving the Kasama District
- Musonda Falls 5.0 MW serving the Mansa District
- Lusiwasi 12.0 MW serving Serenje and Chipata Districts

As a result of grid interconnection and load growth in Zambia all these sites have the potential to be considerably expanded. The Norplan UK team has undertaken detailed studies and the following revised installed capacities are now planned:

- Lunzua 15 MW
- Chishimba Falls 15 MW
- Musonda Falls 10 MW
- Lusiwasi Lower 86 MW
- Lusiwasi Upper 15 MW

OUR SERVICES

The Multiconsult UK team is currently providing services for the uprating and refurbishment of all four schemes. These services include the tender design, drawings, documents and contract administration.

DISCIPLINES

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