



**MANNVIT**  
ENGINEERING

Project example:

# Burfell Hydroelectric Power Station

The Burfell Hydroelectric Power Station is located near the head of the Thorsardalur Valley in South Iceland. It was constructed over a three-year period from 1969 – 72. All of the station's six turbines were upgraded in 1997-98, which boosted installed power from 210 MW to 270 MW. Trash racks and intake gate equipment were renovated during the years 1996-03.



## Technical data:

Client: The National Power Company – Landsvirkjun

Installed capacity: 270 MW

Turbines: 6 Francis units, vertical axis

Gross head: 115 m

Harnessed discharge: 260 m<sup>3</sup>/s

Burfell Dam: Length 370 m

Headrace tunnel:  $\varnothing$ 10 m; length 1,564 m

Pressure shaft: 2 shafts,  $\varnothing$ 5.5 – 6.0 m; length 100 m

Tailrace canal: 250m

Powerhouse L/W/H: 85/19/31 m

## Mannvit services:

Trash racks and gate equipment: Inspection reports and recommendations, design and shop drawings, tender documents and evaluation of tenders, purchasing assistance, construction supervision, installation and commissioning, documentation of design, as-built drawings, materials, inspection and testing reports.



## Additional information:

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