

Resource Levelling

Civil Engineering

Smoothing labour and plant peaks.

Smoothing the demand for labour and plant so the peaks fit what can realistically be supplied.

LEVELLING WITHIN FLOAT

End date unchanged

LEVELLING BEYOND FLOAT

End date moves out

- Use float before moving a critical activity
- Levelling within float keeps the end date
- Smoothing beyond float pushes completion out
- A jagged histogram means hiring and firing
- Plant is levelled exactly as labour is
- Level the scarcest resource, not every one

LOOK FOR IT

Two trades peaking in the same week are often one that could wait a fortnight.

Educational reference. Programme and resourcing decisions sit with the project team under the contract's programme terms.