## ENGINUITY TUTORIAL



The Labour Used to Progress a Job

The labour used to progress a job is classified in a number of ways :-

- Planned labour
- Effective labour limit
- Total labour allocated
- Effective labour
- Ineffective labour

The following example should demonstrate the classifications.

## PLANNED LABOUR

The planned labour level for each period was estimated when the job was identified in order to complete a contract on time.

| ESTIMATED COSTS / PLANNED LAL |  |  | A SCHEDULE |  |
| :---: | ---: | ---: | ---: | ---: |
| Job <br> period | Estimated <br> build cost | Estimated <br> site cost | Planned <br> labour | Cumul \% <br> complete |
| 1 | 761,072 | 152,215 | 17 | 30 |
| 2 | $1,268,454$ | 253,691 | 29 | 80 |
| 3 | 507,382 | 101,476 | 12 | 100 |
|  |  |  |  |  |

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Effective Labour Limit
Planned Labour Level


## LABOUR ALLOCATED TO SITE

The Construction Manager determines the total labour to allocate to site in the period depending upon the requirements of the job.

The total labour level is adjusted by affect of any delays to leave the 'potential' effective labour on site.

The labour lost by delays is classed as 'ineffective' labour.

## KEY POINTS

The total labour level allocated may be higher than the anticipated required level to compensate for any delays to the job that may occur.


## EFFECTIVE LABOUR

After allowing for delays the labour BELOW the effective labour limit is classed as the effective labour on site, and contributes to progressing the job.

Only effective labour generates value, or money from the client.
As a rough guide, if the effective labour on site is $30 \%$ of the total labour required to complete a job, $30 \%$ of the job's value (original bid) should be earned from the client.

However, there are numerous other factors that can affect the measured value recovered, including :-

- The quality of the project manager on the site
- Morale of the company's own labour
- Measurement effort across the company


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