

## Monitoring and control

### TASK:

Report this project status to the sponsor using EVM

| Task ID | Activity       | Pred. | Duration (months) | Budget (K\$) | Progress | AC   |
|---------|----------------|-------|-------------------|--------------|----------|------|
| 1       | Preparation    | -     | 2                 | 600          | 100%     | 600  |
| 2       | Design         | 1     | 3                 | 1200         | 100%     | 1400 |
| 3       | Implementation | 2     | 2                 | 400          | 50%      | 200  |
| 4       | Testing        | 2     | 3                 | 1200         | 33.3%    | 500  |
| 5       | Deployment     | 4     | 3                 | 300          | 0%       | 0    |

- Why how much is it over/ under budget?  
600,000 over budget
- Buy how many days is it ahead/ behind the schedule?  
5 months behind the schedule (late)
- Why the end of the project, by how much will it be over/ under budget?  
600,000 over budget
- Calculate CV, SV, CPI, SPI, EAC  
 Total AC = 3700 (all budget)  
 $EV = 600 + 1400 + 200 \times 50 + 500 \times 33.3 = 2266.5$   
 $ETC = 2271.8$   
 $PV = \text{Progress} \times \text{budget} = 880.6$

|     | Formula  | =      |
|-----|----------|--------|
| CV  | EV - AC  | -14335 |
| SV  | EV - PV  | 1385.9 |
| CPI | EV / AC  | 0.613  |
| SPI | EV / PV  | 2.573  |
| EAC | AC + ETC | 5971.8 |