TimeLine: Getting and Keeping Control over your Project
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 5. Estimate the work in more detail now
5. Make a good description of the first one or two Deliveries
18. Determine Tasks for the first week
19. Estimate the Tasks, now in real effort (net) hours needed to $100 \%$ complete each Task


22. Now we have the Tasks for the e first Neek defined
23. Make sure this is the most inportant set of tasks
24. Puut the Tasks

25. Calibrate back the Timeline estimations and take the consequence of what you see
26. Repeat every one or two weeks


Work (Wov, line a) )


 - Alteratively, the origina 150 Wow will be tone in in weeks, or $10 \%$ more time than originaly expected (line d).

 rememining 6 veeks. Therefor
gpoeple e eppectitity
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What do we do f what we think has to be done doesn't fit the time available:
After we have estimated ho:


In case 1, we don't tust continue, but first we have
proiect will feill We don't want the project of ofil.
 th basic Timeline steps, see eeft.
We seesteverol loptons being used in practice, most of them deceeptive, making things worse:
Deceptive options:


Working overtime (getting tired, making more mistakes, thinking you work hard, but not really working smart)
Moving the deadine


If you extend the deadine, people start working (too) hard later, usually to late.
Then there is the intutitive move we often see it itime is sunning out: Add people!'

 Apparent tuases suar be:

- Te time needed oc com






Useful option: Saving time
Mostly overlooke, this is the
e

be superfluous. We use the Coal of fany Project (see begin) as forcus

- people end to do more than necessary especialy f they don't xactly know what to do
 I seventhing we think we have to do really needed?
Magic uuestion: "Whos's wating for thisis"
f nobody

 Don't iust use the obvious solution: compara the obvious solutio
First think, then do: Plan before Do, Design before Implement


Preflection, forsesight, prevention
only fif we change our way of working, the result may be
anferent
-findsight is easy, butreactive the time is
$\underset{\substack{\text { difierent } \\ \text { Hindight ise } \\ \text { Foresisht is } \\ \text { es }}}{ }$
- Foresight is esss seary, ubt tporoctive:
we can still
avoid wasting time

- Only with prevertion we can sareverention
This is is is sed ine in the Deming or Plan-Do.check-Act cycle


Estimation techniques
Changing from ootimisticto
Changing from optinistic to realisiti estimation
In the Evo Taskccycle 88 We e estimate the effort






$0^{\text {it }}$ order e estimations
$\mathrm{o}^{\circ}$ order estimations,
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 Simple eelphi
If weve done some work of small complexity and some work of more complexity, and measured the time we
needed to complete those we ere more capable than we think of estimating sinilire work, even of different com-
nexexty






 average, and do not discuss the estimates. Discuss the contents of the work, because apparently different people
havea afiferent tea about what the work incuuses. some may orgee to include things that have to be done,
some ofters












