



High performance. Delivered.

# Project Monitoring & Project Controlling

Andreas Range

Dresden, July 7<sup>th</sup> 2016

The logo for Accenture Digital, featuring the word "accenture" in white and "digital" in yellow, with a yellow chevron symbol above the "d".

Strategy | Digital | Technology | Operations

# Andreas Range

## Introduction



## Agenda

- **Accenture Profile**
- General Overview Project Management @ Accenture
- Project Calculation & Project Planning
- Project Monitoring & Controlling

# 375,000 employees at Accenture serve more than 4,000 clients around the world

## About Accenture



# 375,000+

More than 305,000 people serving clients in more than 120 countries<sup>1</sup>

# 200+ \$31.0B

Offices and operations in more than 200 cities in 54 countries

Net revenues for fiscal year 2015

Communications,  
Media &  
Technology



Financial  
Services



Health & Public  
Services



Products



Resources



Accenture Strategy

Accenture Digital

Accenture Technology

Accenture Operations

## Facts<sup>1</sup>

- Leadership: ~6,200 Managing Directors
- 31.0 billion USD revenues in FY15
- Geographic Regions:
  - Americas
  - Asia Pacific
  - Europe / Middle East / Africa

## Clients

- 4,000 clients in more than 120 countries
- 89 of the Fortune Global 100
- 3/4 of the Fortune Global 500
- 28 of the DAX-30 companies
- 99 of our top 100 clients have been clients for at least 5 years, 92 have been clients for at least 10 years

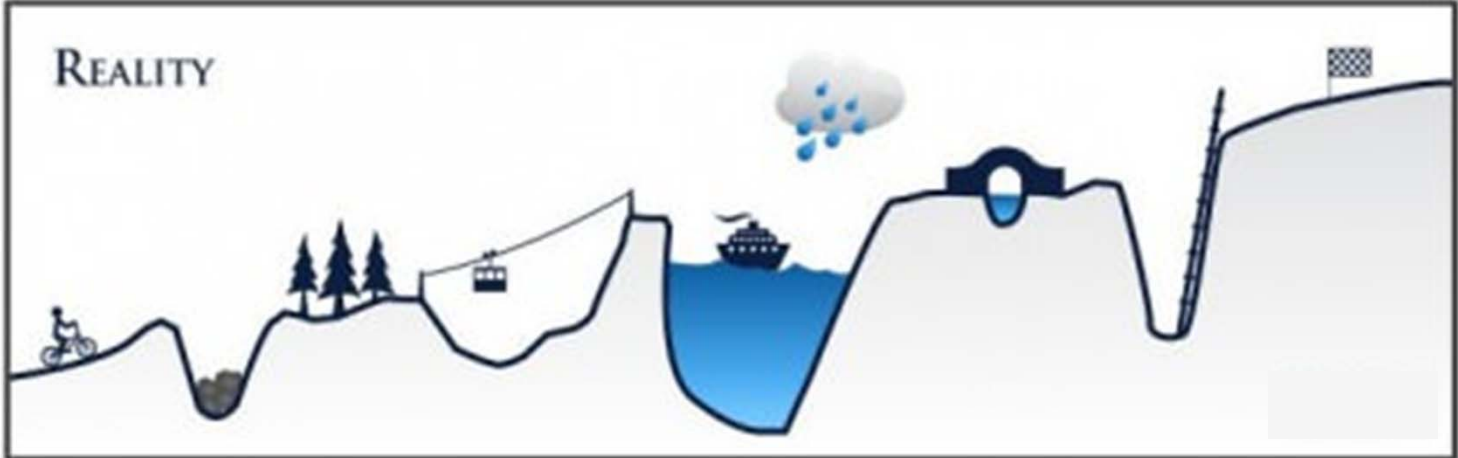
<sup>1</sup> As of Aug 31, 2015

Did you know?

About Accenture

## Agenda

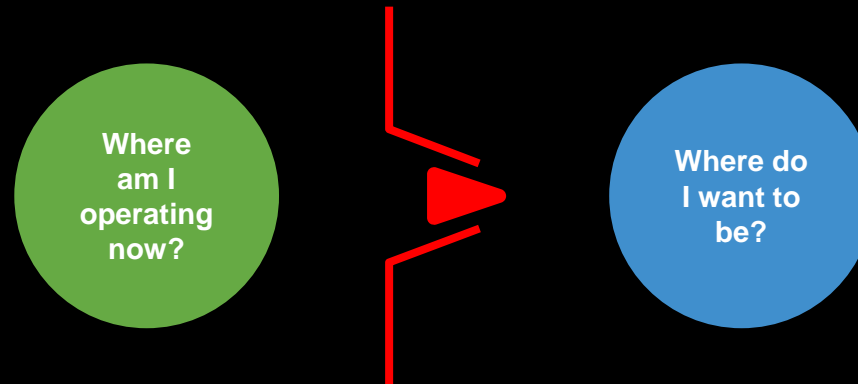
- Accenture Profile
- **General Overview Project Management @ Accenture**
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Project Management focuses on measurement-driven results, repeatable processes and clear communication.

## Project Management – Introduction

- “A **project** is a temporary endeavor undertaken to create and deliver a unique product, service or result.”
- “**Project Management** is the application of knowledge, skills, tools, techniques and processes to help clients make better decisions and to complete deliverables that meet a project’s requirements.”



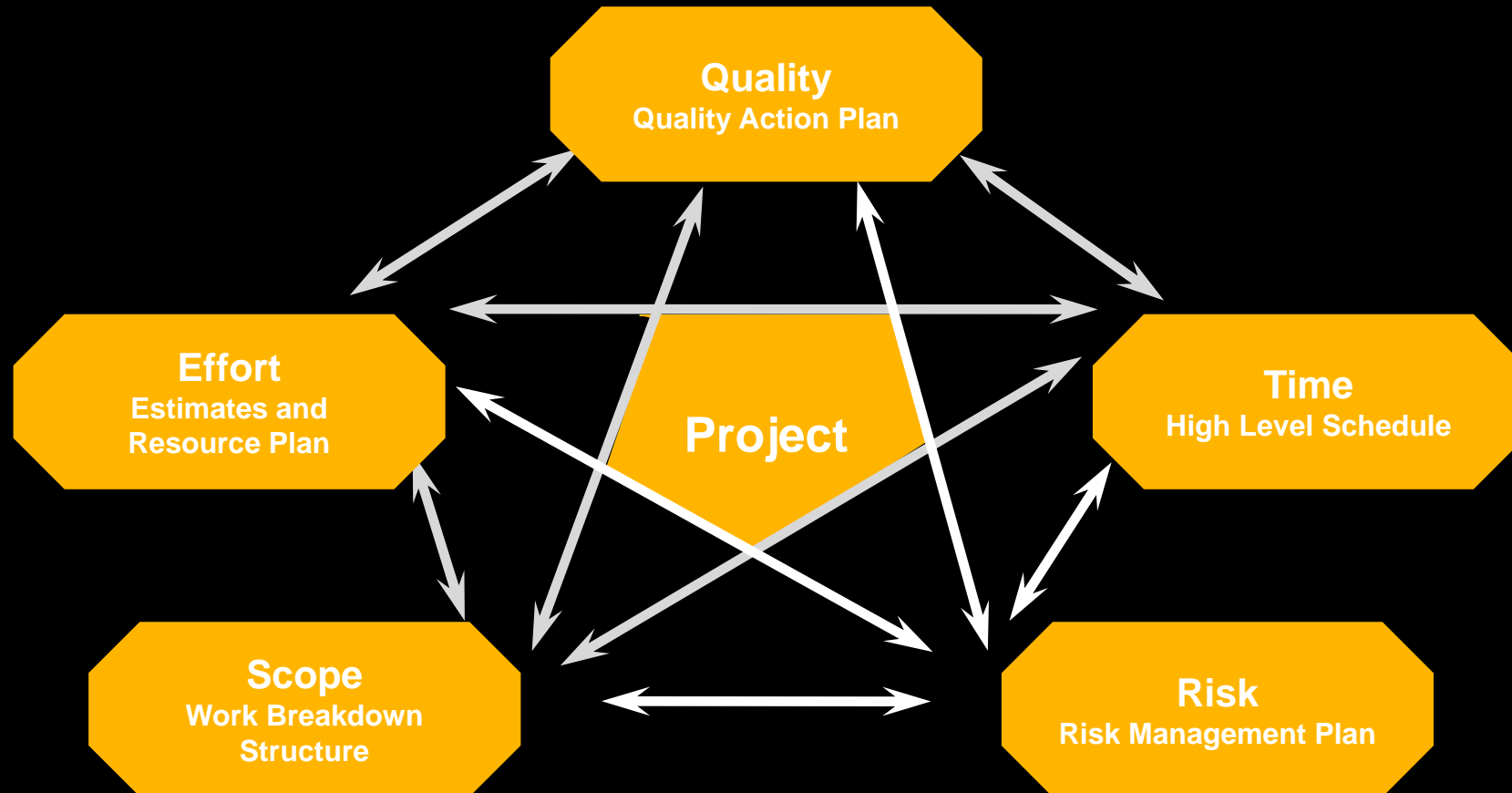
### Principles:

1. Be clear on where you're going
2. Plan carefully on how you will get there
3. Deliver on promises made in your project plan



It is helpful to use the SQERT model when thinking about Project dimensions

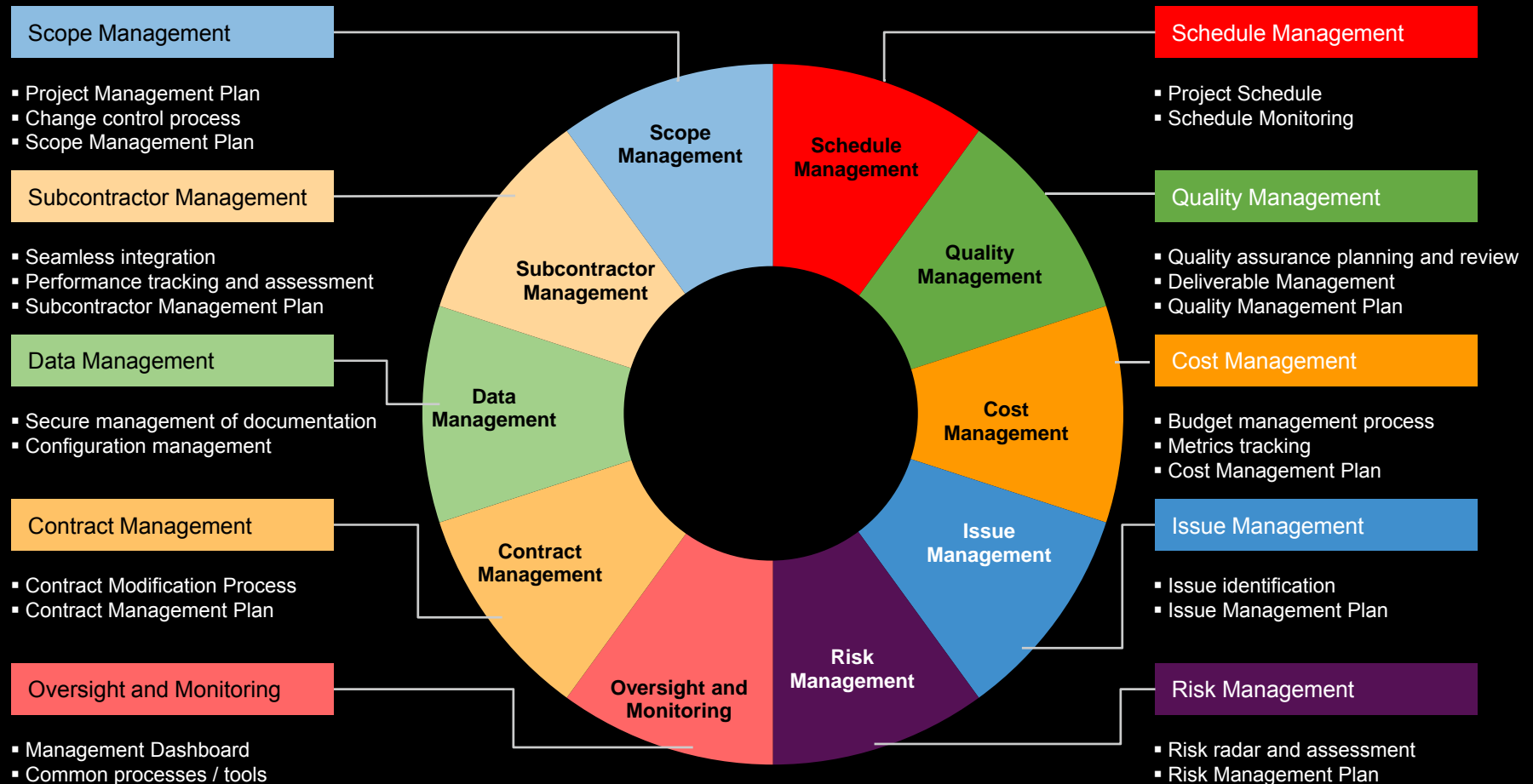
## SQERT Model



# Our comprehensive methodology provides tools to help manage projects effectively on schedule and on budget

## Accenture Project Management Approach

**Real Life**

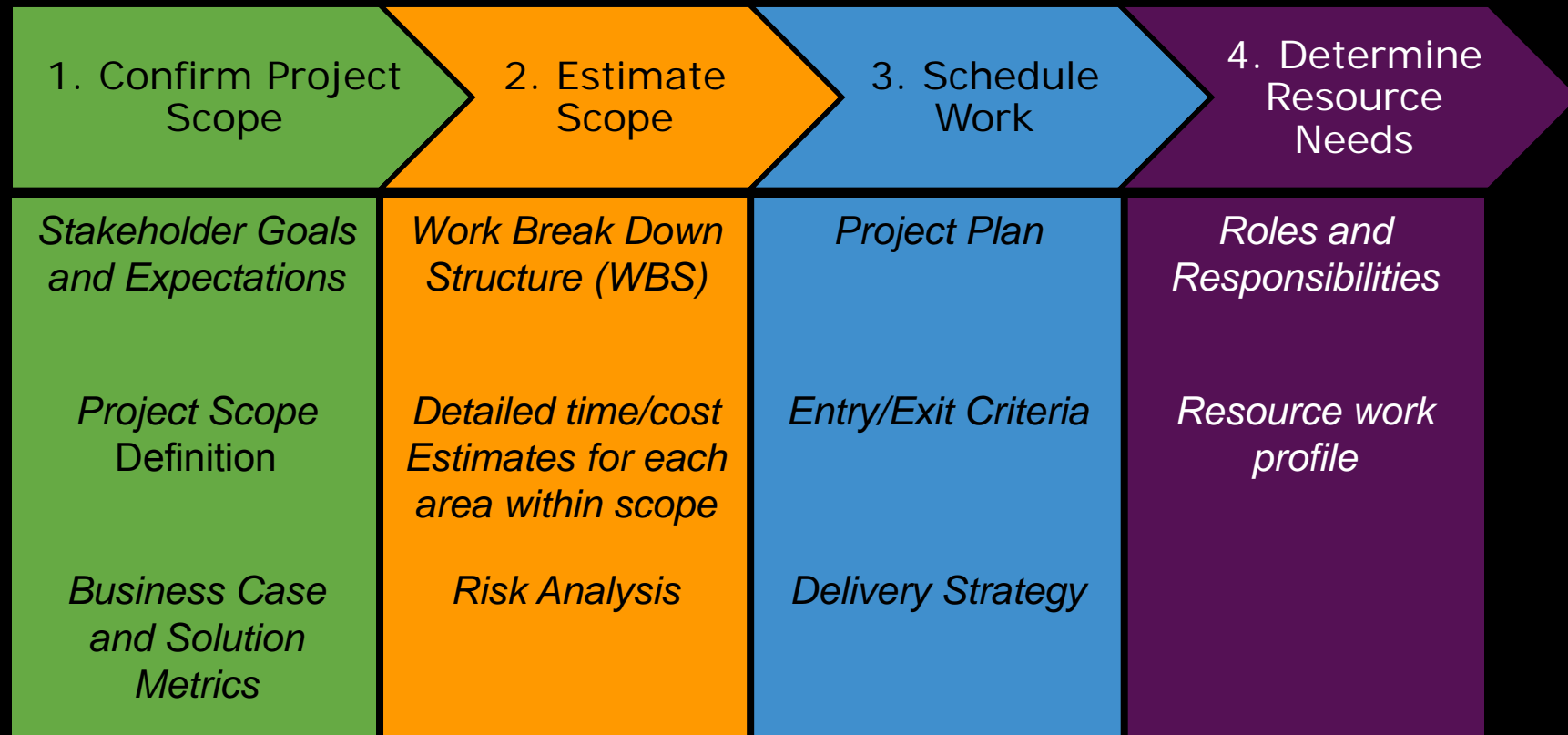


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- **Project Calculation & Project Planning**
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The general planning process includes four process steps – we focus on the estimation of a project's scope

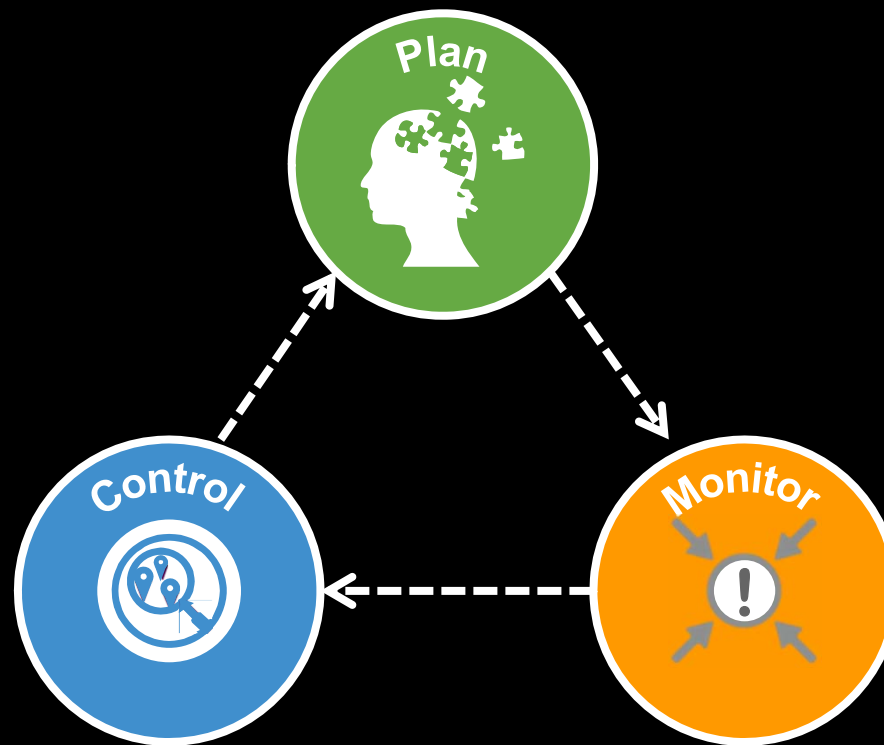
## Project Planning– Scope Management



There are three key project management processes supporting a project's life cycle.

## Project Management Process

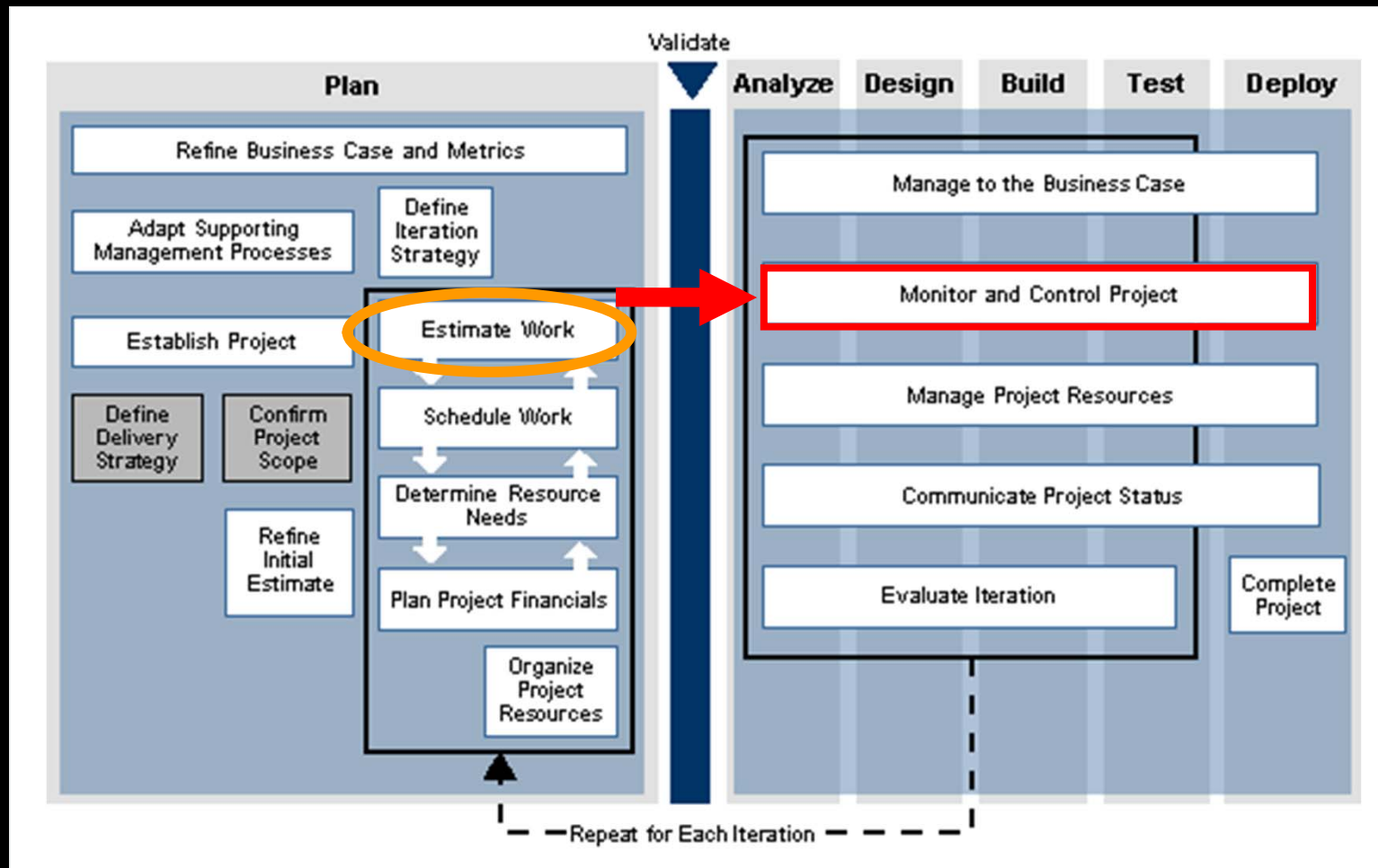
The three key processes **Plan**, **Monitor** and **Control** are **co-dependent** and **continuously cycle** throughout all of the stages of the project.



# The project management method is part of Accenture Delivery Methods (ADM), our master project approach

## Accenture Delivery Methods (ADM)

Real Life



# Planning and calculation are the initial steps in setting up a project – adaptations are possible within the lifecycle

## Project Calculation & Project Planning

Real Life

### Project Calculation

- Project calculation is used for the estimation of efforts for the completion of tasks which builds the baseline for solid project controlling.
- Without a precise estimation of efforts a project can...
  - ...exceed the time and budget planning
  - ...radically reduce the profit margin
  - ...decrease the team morale

Project Management	1038.8
Plan	485.0
Design	80.0
Build	4,748.2
Test	2,095.0
Service Introduction	279.9
Development Environment Support	495.7
2018 Support Technology and Work Environment	330.0

Example ADM Estimator

### Project Planning

- Project planning is an essential part to ensure that the adequate team members execute the right tasks at the right time.
- Project planning includes:
  - Project Plan
  - Milestones
  - Planning of resources

ID	Task Name	Methodology Link	Key Deliverables	Methodology Outline ID	Effort Estimate (in hours)	Work	Duration
19	4025 Evaluate Iteration	<a href="#">https://methodology...</a>	Iteration Strategy	Proj Mgmt 4025 Eval Iteration	171	171 hrs	0 days
20	6091 Complete Project	<a href="#">https://methodology...</a>	Business Case, U	Proj Mgmt 6091 Complete Proj	205	205 hrs	20.5 days
21	Analyze	<a href="#">https://methodology...</a>	Custom Development, Analy	7802	3,615 hrs	3,615 hrs	0 days
40	Design	<a href="#">https://methodology...</a>	Custom Development, Build	8278	10,744 hrs	10,744 hrs	0 days
60	4100 Build Application	<a href="#">https://methodology...</a>	Visual Design	17379	12,919 hrs	12,919 hrs	0 days
66	4143 Create Production G	<a href="#">https://methodology...</a>	Visual Design	App 4143 Create Prod Compon	34	34 hrs	1.7 days
70	4145 Develop Page Templ	<a href="#">https://methodology...</a>	Page Template	Build App 4145 Dev Pg Templ	0	0 hrs	0 days
71	4185 Customize Applicat	<a href="#">https://methodology...</a>	none	App 4185 Cust App Compts	387	387 hrs	35.7 days
72	4183 Specify Application	<a href="#">https://methodology...</a>	Class Design, Con	App 4183 Spec App Compts	3,651	3,651 hrs	0 days
73	4183 Perform Physical Da	<a href="#">https://methodology...</a>	Physical Data Mod	App 4183 Perf Phy Da Design	121	121 hrs	7.56 days
74	4183 Plan Component Test	<a href="#">https://methodology...</a>	Test Approach, Tr	App 4183 Plan Compon Test	895	895 hrs	0 days
75	4188 Build and Test Appl	<a href="#">https://methodology...</a>	Requirements Trai	88 Build & Test App Compts	12,395	12,395 hrs	0 days
76	74199 Transition Applicat	<a href="#">https://methodology...</a>	Class Design, Use	App 74199 Trans App Build	486	486 hrs	0 days
77	4090 Build Training and Pe	<a href="#">https://methodology...</a>	90 Build Train & Perf Supp	826	826 hrs	0 days	
78	4535 Develop Training Ma	<a href="#">https://methodology...</a>	Training Evaluator	Perf Supp 4535 Dev Train Mtl	660	660 hrs	0 days
79	4555 Develop Communic	<a href="#">https://methodology...</a>	Communication M	Perf Supp 4555 Dev Comm Mtl	120	120 hrs	10.5 days
80	74599 Transition Change	<a href="#">https://methodology...</a>	Test Plan, Training	74599 Trans Chg Endmt Mtl	39	39 hrs	2.44 days
81	Test	<a href="#">https://methodology...</a>	Custom Development, Test	15664	11,564 hrs	11,564 hrs	0 days
82	5100 Test Application	<a href="#">https://methodology...</a>	Common Test Data	5100 Test Appl	11,691	11,691 hrs	0 days
83	5130 Prepare and Execu	<a href="#">https://methodology...</a>	Common Test Data	5130 Prep & Exec Prod Test	2,571	2,571 hrs	0 days
84	5130 Prepare and Execu	<a href="#">https://methodology...</a>	Common Test Data	5130 Prep & Exec Prod Test	6,070	6,070 hrs	0 days
85	5150 Prepare and Execu	<a href="#">https://methodology...</a>	Common Test Data	5150 Prep & Exec Perf Test	330	330 hrs	0 days
86	75159 Transition Product	<a href="#">https://methodology...</a>	Use Case Model, I	75159 Trans Prod-Tested App	20	20 hrs	1.5 days
87	5130 Prepare and Execu	<a href="#">https://methodology...</a>	Test Plan, Test Co	5130 Prep & Exec User Accept Test	3,160	3,160 hrs	0 days

MS Project task structure

There are two different examples of how a WBS could be structured for a project

## Project Planning – Define WBS

“

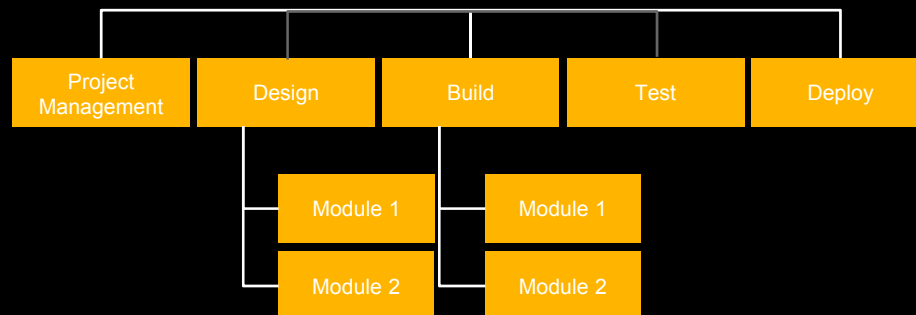
**WBS** (Work Breakdown Structure) ...

- is a **description** of the **project's scope** as defined by the program management.
- is used for **defining the scope** of a project in terms of its outcomes and deliverables.
- becomes the **structure of your work plan** within MS Project.

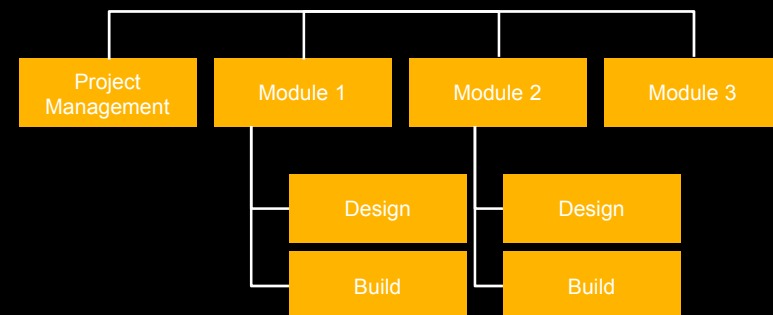
”

VS.

Facilitates Project Reporting by Phase



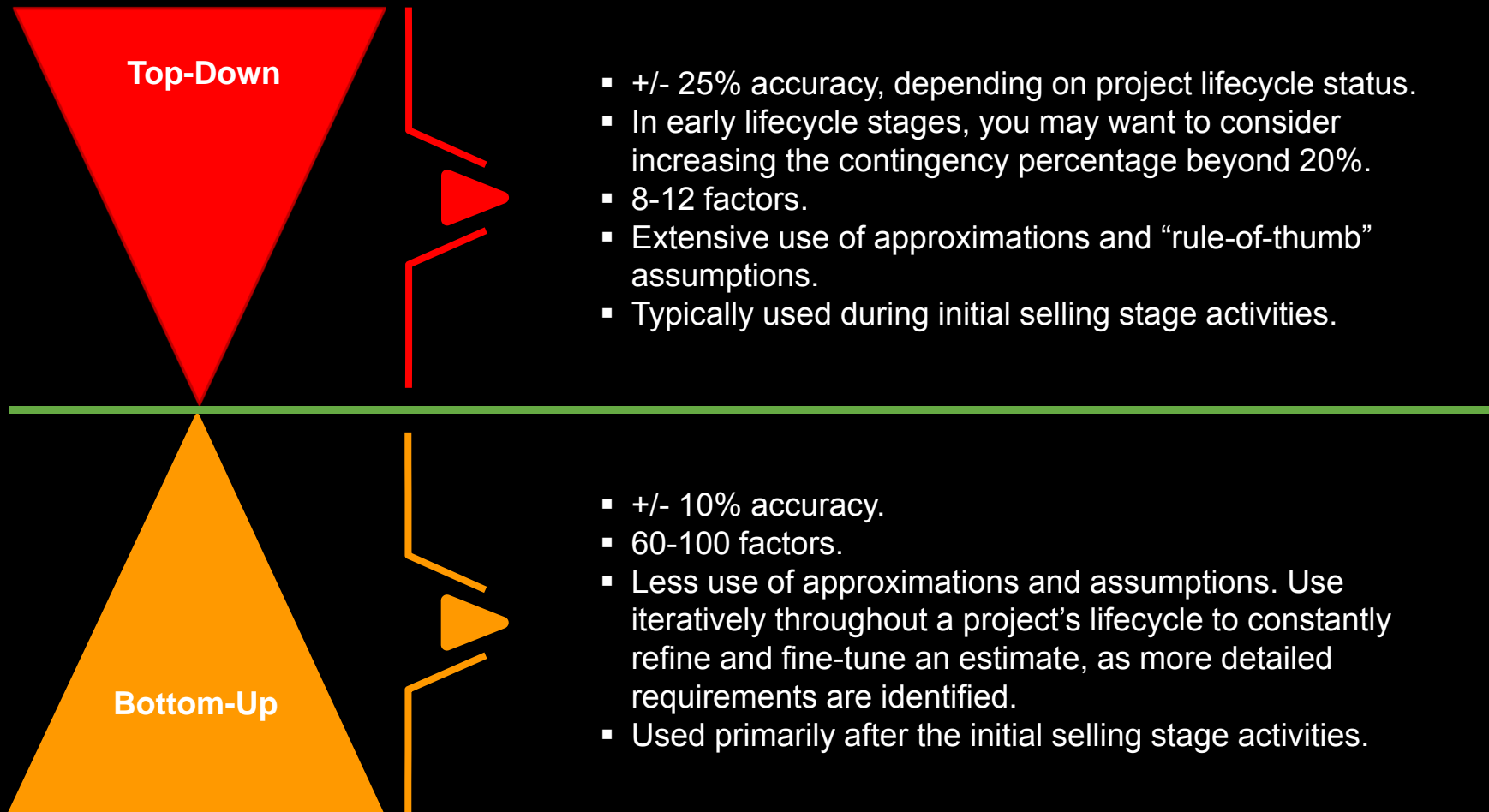
Facilitates Project Reporting by Module





# A combination of top-down and bottom-up estimating models are used to approximate the amount of work

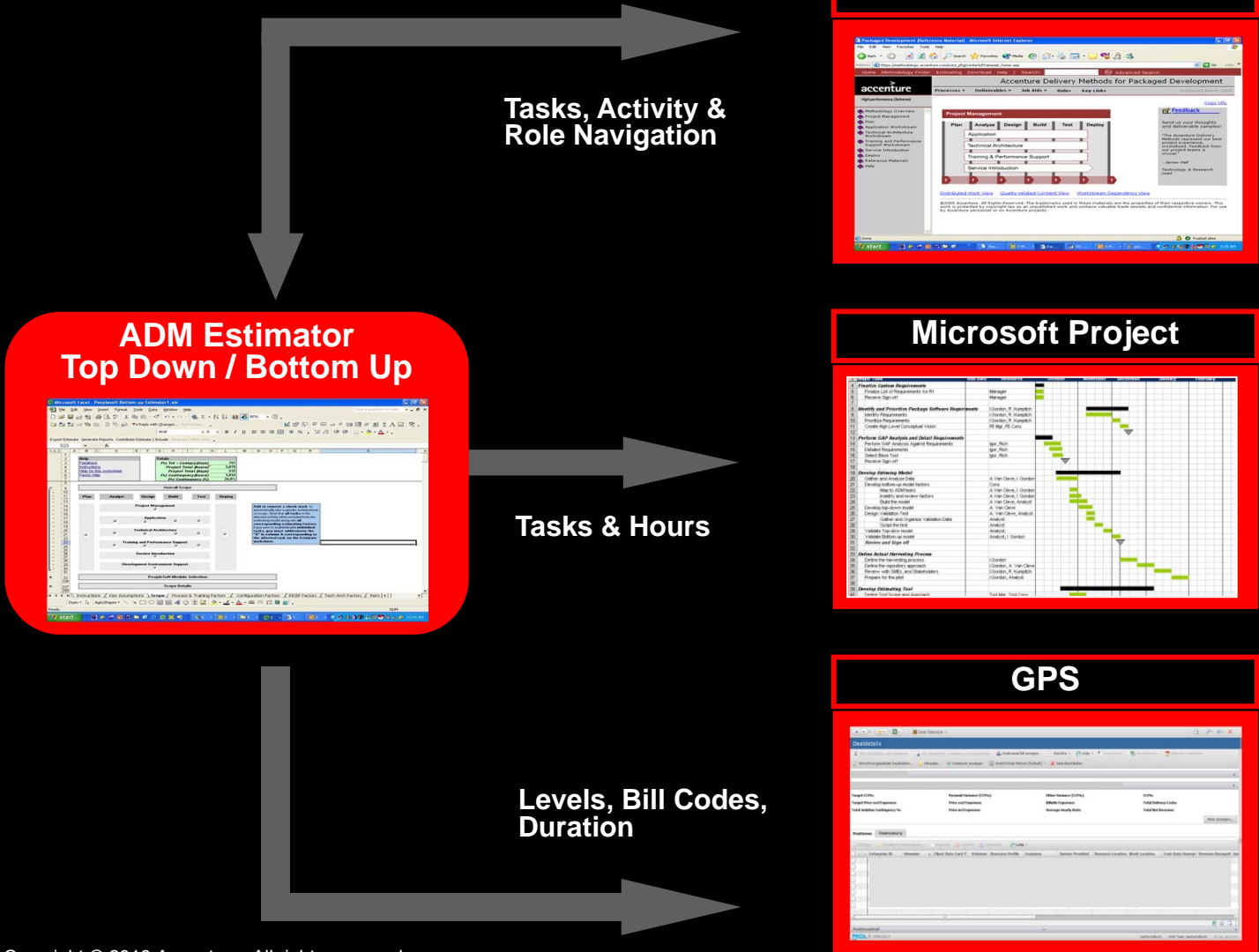
## Top-Down and Bottom-Up Estimating



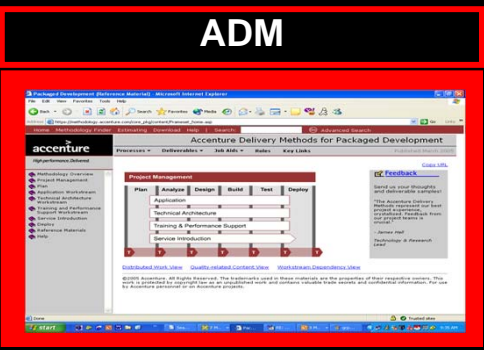
# ADM Estimators provide Input for Workplan and Cost / Pricing Models

## ADM Estimators – Benefits

Real Life



Tasks, Activity & Role Navigation



Microsoft Project



Tasks & Hours

GPS

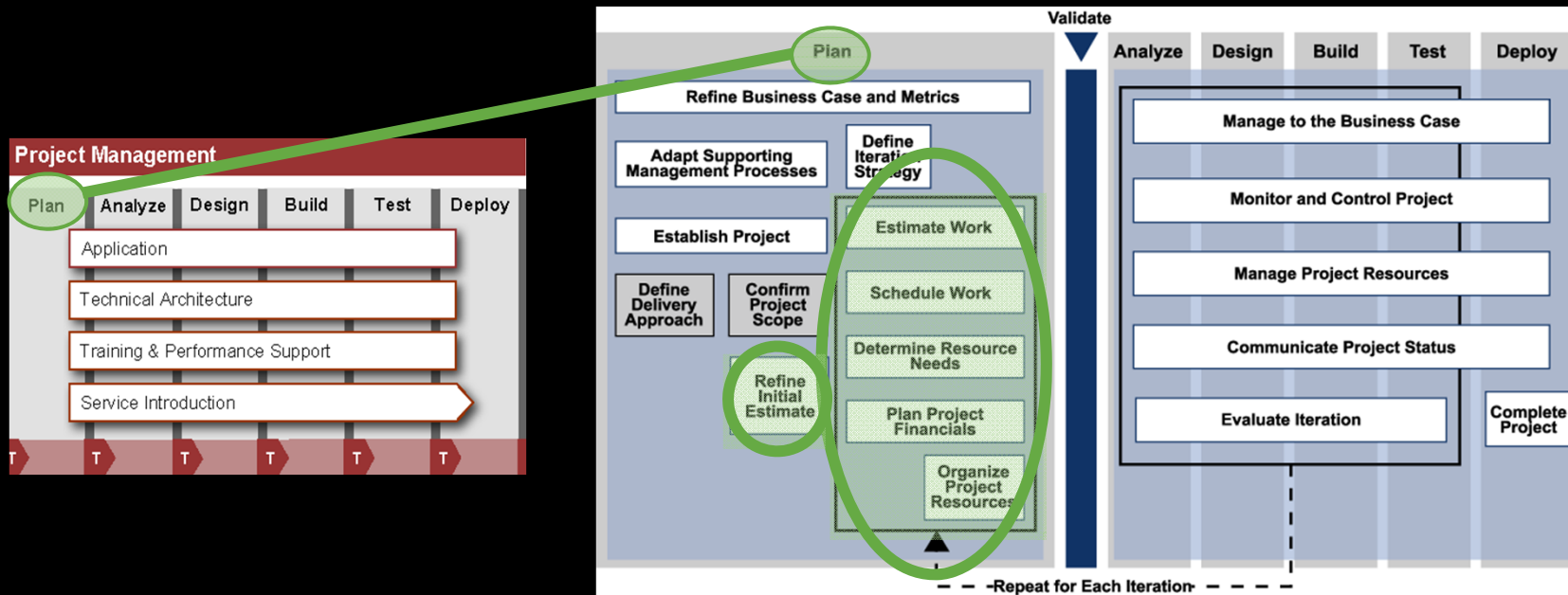
Project Name	Project Manager	Project Status	Project Start Date	Project End Date
Project A	John Doe	On Track	2016-01-01	2016-06-30
Project B	Jane Smith	Delayed	2016-02-15	2016-07-31
Project C	Mike Johnson	Completed	2015-10-01	2016-03-31

Levels, Bill Codes, Duration

# ADM Estimators are tightly Integrated with Accenture Delivery Methods

## ADM Project Management – Plan Example

Real Life



ADM Estimators support project managers at different stages of a project by helping:

- Define scope of work and factors
- Document detailed assumptions
- Generate task-level estimates
- Complete budget, schedule and resource estimates

### Inputs

- Project Scope Definition
- Iteration Strategy
- Strawman Estimate / Assumptions
- Project Road Map
- Sponsor Goals & Expectations

### Outputs

- Detailed Project Assumptions
- Bottom-up Estimate
- Work Plan (via export to MS Project)

## Agenda

- Accenture Profile
- General Overview Project Management @ Accenture
- Project Calculation & Project Planning
- **Project Monitoring & Controlling**

# Monitoring and controlling are necessary to initiate measures at the right time of the project lifecycle

## Project Monitoring & Controlling

Definition: „...the monitoring a project’s proceedings along an as-is vs. to-be comparison. In case of any occurring problems adequate corrective measures have to be initiated.“

### Project Monitoring

- The **Monitor process** involves the following activities and deliverables:

ACTIVITIES	DELIVERABLES
Daily ‘Touch-Points’ with Team	N/A
Weekly Status Meetings	<ul style="list-style-type: none"> <li>• Meeting Minutes</li> <li>• Status Report</li> <li>• Issue Log</li> <li>• Risk Register</li> </ul>
Reviews and QA of deliverables	<ul style="list-style-type: none"> <li>• Quality Assurance Report</li> </ul>
Tracking against Project Work Schedule	<ul style="list-style-type: none"> <li>• Milestone Report</li> <li>• Risk Register</li> </ul>
Identifying Risks and Issues	<ul style="list-style-type: none"> <li>• Risk Register</li> <li>• Issue Log</li> </ul>

### Project Controlling

- The **Control process** involves the following activities and deliverables:

ACTIVITIES	DELIVERABLES
Management of changes to project scope	<ul style="list-style-type: none"> <li>• Change Request Form</li> </ul>
Escalation of issues and risks that require intervention from roles higher in the project structure	The following is in <b>dashboard format</b> : <ul style="list-style-type: none"> <li>• Status Report</li> <li>• Issue Log</li> <li>• Risk Register</li> <li>• Minutes from ad hoc Meetings</li> </ul>

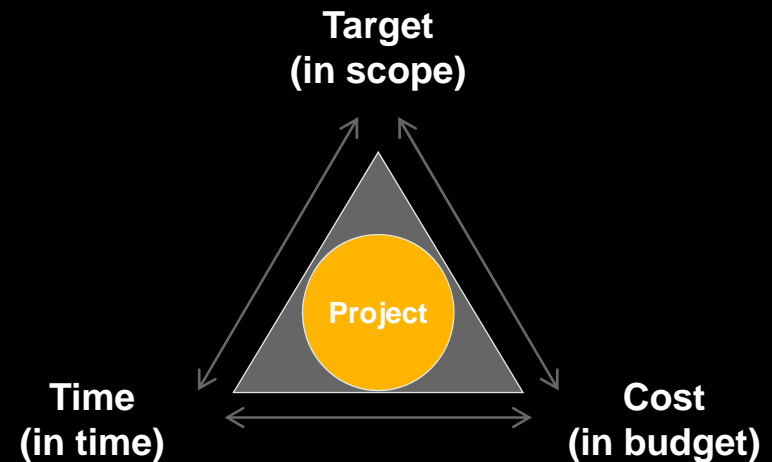
During the project lifecycle adaptations in the project triangle (SQERT) can be necessary

## Three Dimensions of Project Controlling

### 3 Dimensions



“ **PLANNING** and **MONITORING** are **iterative activities** ”



“ **PLANNING** has to be **adapted as precisely as** it was **created** ”

In order to monitor a project's progress it is recommended to define and evaluate SMART goals

## Target Control – SMART Goals

<b>S</b>	<b>SPECIFIC</b>
<b>M</b>	<b>MEASURABLE</b>
<b>A</b>	<b>ACHIEVABLE</b>
<b>R</b>	<b>RELEVANT</b>
<b>T</b>	<b>TIME-BOUND</b>

### Accenture Additions:

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#### Quality

What is the required quality?

#### Unambiguous

Are all addressees on the same page?

#### Prioritized

Prioritization possible for planning / releases?

#### Traceable

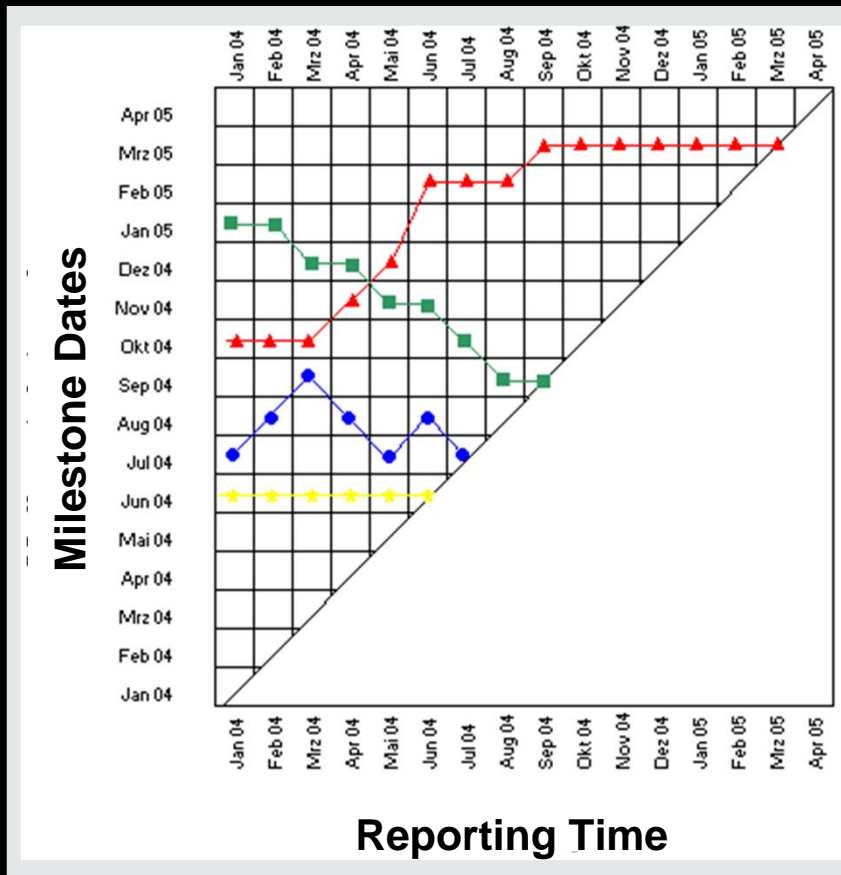
Where does the objective/ request come from?

# Examples: Milestone Trend Analysis / Gantt-Chart

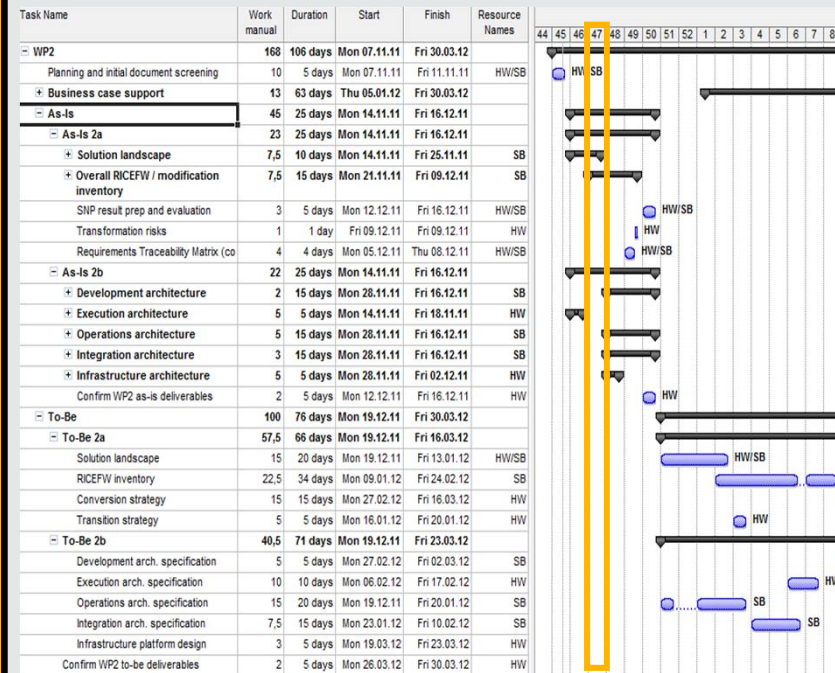
## Time Control

Real Life

**Example 1:  
Milestone Trend Analysis**



**Example 2:  
Progress Control via Gantt-Chart**



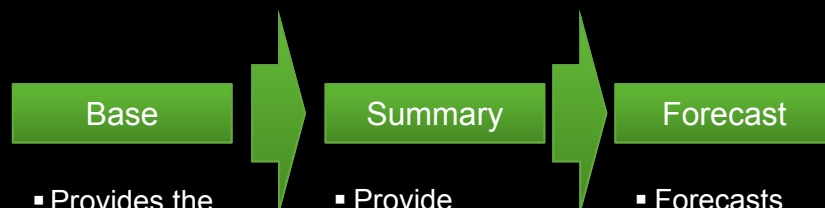


# There are three types of earned value metrics: base, summary, and forecast metrics

## Cost Control

### Basics

- Industry standard to measure the project progress:
  - Forecasting of the date of completion and final costs.
  - Shows time and budget deviations.
- Three different types of earned value metrics exist:



- Provides the basis to calculate all other metrics.
- Used in conjunction with summary and forecast metrics.

- Provide information to assess the current state of the project
- Based on the Earned Value (EV) base metric.

- Forecasts project status at completion.
- Derived from a combination of base and summary metrics.

### Example

#### Measurement Workbook

Month	BCAC	BCWP	BCWS	ACWP	Cost Variance	CPI	Schedule Variance	SEI
12/1/02	2,408.0	0.0	0.0	0.0	0.0	0.000	0.0	0.000
12/8/02	2,408.0	228.0	0.0	-56.0	0.000	228.0	0.000	0.570
12/15/02	2,408.0	1,360.0	2,384.0	-54.3	-194.3	0.875	-1,024.0	0.570

#### Cost & Schedule Macro Results

# There are different types of base metrics in place – the 0/100 formula is recommended for EV calculation

## Base Metrics

Metric	Definition and Formula
Budget at Completion (BAC)	<ul style="list-style-type: none"> <li>Budget for the task, summary task, phase or other WBS component</li> <li><b>BAC = Baseline budget expressed in days or hours, not dollars</b></li> </ul>
Actual Cost (AC)	<ul style="list-style-type: none"> <li>Actual cost of any work that has been performed</li> <li><b>AC = Amount of effort already spent or “burned” expressed in terms of days or hours not dollars</b></li> </ul>
Earned Value (EV)	<ul style="list-style-type: none"> <li>Total amount of effort, in hours or days, for tasks that are 100% complete</li> <li><b>EV = 0 if task is NOT complete, EV = BAC, if task is complete</b></li> </ul>
Planned Value (PV)	<ul style="list-style-type: none"> <li>Budgeted amount of effort, measured in hours for tasks scheduled to be 100% complete</li> <li><b>PV = BAC if task is due prior to status date</b> <b>PV = 0 if task is due after status date</b></li> </ul>

### Earned Value Calculation Methods:

- 0/100 formula**


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Accenture Recommendation

  - Tasks must be 100% complete, then earned value equals Budget at Completion (BAC)
- Other methods for calculating Earned Value include:
  - 50/50 formula
  - Ratio to earned standards
  - Milestones
  - Percent complete
  - Milestones / Percent complete

There are different types of summary metrics – therefore variances and indices are calculated

## Summary Metrics

Metric	Definition and Formula
Cost Variance (CV)	<ul style="list-style-type: none"><li>The difference between the actual costs and the budgeted (baseline) costs</li><li><b>CV = Earned Value – Actual Cost (EV-AC)</b></li></ul>
Schedule Variance (SV)	<ul style="list-style-type: none"><li>Determines whether the project is on, ahead, or behind schedule</li><li><b>SV = Earned Value – Planned Value (EV-PV)</b></li></ul>
Cost Performance Index (CPI)	<ul style="list-style-type: none"><li>The ratio of budgeted cost to actual cost used to predict the magnitude of a possible cost overrun or under-run at a given point in time</li><li><b>CPI = Earned Value/Actual Cost (EV/AC)</b></li></ul>
Schedule Performance Index (SPI)	<ul style="list-style-type: none"><li>The ratio of budgeted cost to planned cost used to predict the magnitude of a possible cost overrun or under-run at a given point in time</li><li><b>SPI = Earned Value/Planned Value (EV/PV)</b></li></ul>

# Different types of forecasting metrics can be used for project performance and completion estimations

## Forecast Metrics

Metric	Definition and Formula
To-Complete Performance Index (TCPI)	$(BAC - EV) / (BAC - AC)$ <b>(Budget at Complete – Total Earned Value) / (Total Budget at Complete – Actual Cost)</b>
Statistical Estimate to Complete (STAT ETC)	$(BAC - EV) / CPI$ <b>(Budget at Complete – Earned Value) / Cost Performance Index</b>
Statistical Estimate at Completion (STAT EAC)	$AC + STAT ETC$ <b>Actual Cost + Statistical Estimate to Complete</b>
Statistical Variance at Completion (STAT VAC)	$BAC - STAT EAC$ <b>Budget at Complete – Statistical Estimate at Completion</b>

There are various further tools and methods that can be used for the monitoring and controlling of a project

## Further Project Monitoring & Controlling Dimensions

Extract

<b>FINANCIALS</b>	<ul style="list-style-type: none"> <li>▪ Supplier / Consultancy Margin Targets</li> <li>▪ Control of Contingency</li> <li>▪ Control of Travel Expenses</li> <li>▪ Business Case Monitoring</li> </ul>
<b>RISKS</b>	<ul style="list-style-type: none"> <li>▪ Qualitative Risk Assessment</li> <li>▪ Quantitative Risk Assessment</li> <li>▪ Includes Opportunities and Threats</li> </ul>
<b>COMMUNICATION</b>	<ul style="list-style-type: none"> <li>▪ Communication Plan</li> <li>▪ Stakeholder Management (Key Stakeholder Matrix)</li> <li>▪ Change Management Instruments (Workshop)</li> <li>▪ Target Group Refinement</li> </ul>
<b>QUALITY</b>	<ul style="list-style-type: none"> <li>▪ Quality Assurance (Interviews, Surveys,...)</li> <li>▪ Quality Management and Configuration</li> <li>▪ Management as a Planning Function</li> <li>▪ Test Statistics</li> </ul>
<b>HR</b>	<ul style="list-style-type: none"> <li>▪ Employee / Project Survey</li> <li>▪ Control of Overtime</li> <li>▪ Individual Development / Motivation and Performance Evaluation</li> </ul>
<b>SOURCING</b>	<ul style="list-style-type: none"> <li>▪ Monitoring of Supplier Contracts</li> <li>▪ Cost Control</li> <li>▪ Regular Check of Conditions</li> <li>▪ Spend Management</li> </ul>

# Special tools are used for the calculation of cost and revenues

## Financials Monitoring & Controlling – Examples

Real Life

The screenshot displays the 'accenture Manage myEngagements' software interface. The top navigation bar includes 'Dashboard', 'Forecast', 'Approve/Submit', 'Roster', 'Set Up', and 'Reports'. The main content area shows a summary table and a detailed cost breakdown table for May 2014.

**Summary Table:**

Category	May 14 Actual	Jun 14 Actual	Jul 14 Forecast	Aug 14 Forecast	Sep 14 Forecast	Oct 14 Forecast	Nov 14 Forecast	Dec 14 Forecast	Jan 15 Forecast	Feb 15 Forecast	Mar 15 Forecast	Apr 15 Forecast	May 15 Forecast	Jun 15 Forecast	Contract EAC
<b>Total Billings</b>															
Total - Expenses															
Total - Fees															
<b>Consulting Expenses Incurred</b>															
Accommodation - Consulting															
Meals & Per Diems - Consulting															
Other Expenses - Consulting															
Travel - Air - Consulting															
Travel - Ground - Consulting															
<b>Total Revenue</b>															
Total Services Revenue															
<b>Payroll Costs</b>															
Net Loan/Borrow Payroll															
<b>Non Payroll Costs</b>															
Other Usage Charges															
Technology Services Charges															

**Detailed Cost Breakdown Table (May 2014):**

Cost	Category	CostCollectorNm	May 14 Actual	Jun 14 Actual	Jul 14 Forecast	Aug 14 Forecast	Sep 14 Forecast	Oct 14 Forecast	Nov 14 Forecast	Dec 14 Forecast	Jan 15 Forecast	Feb 15 Forecast	Mar 15 Forecast	Apr 15 Forecast	May 15 Forecast	Jun 15 Forecast	Contract EAC
	Other Expenses - Cons		599,00	49,03	9.000,00	8.000,00	10.000,00	9.200,00	9.200,00	7.500,00	0,00	0,00	0,00	0,00	0,00	0,00	53.548,03
	Accommodation - Cons		822,52	639,75	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	2.100,88
	Meals & Per Diems - Co		266,60	260,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	736,40
	Travel - Ground - Cons		325,39	601,60	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	1.221,78
	Net Loan/Borrow Payroll		6.445,52	6.223,30	10.224,14	9.335,09	10.073,00	5.952,23	9.157,28	6.867,96	0,00	0,00	0,00	0,00	0,00	0,00	68.279,43
	Accommodation - Cons		1.096,72	548,37	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	1.830,14
	Meals & Per Diems - Co		297,80	154,80	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	593,40
	Travel - Ground - Cons		520,02	281,84	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	1.022,64
	Net Loan/Borrow Payroll		8.112,46	6.001,03	4.000,75	8.890,58	10.073,00	10.530,87	9.157,28	6.867,96	0,00	0,00	0,00	0,00	0,00	0,00	67.190,27
	Net Loan/Borrow Payroll		158,55	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	158,55
	Net Loan/Borrow Payroll		0,00	0,00	0,00	899,94	0,00	899,94	899,94	899,94	0,00	0,00	0,00	0,00	0,00	0,00	33.102,85
	Accommodation - Cons		548,34	350,07	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	6.735,01
	Meals & Per Diems - Co		141,00	57,40	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	2.390,95
	Other Expenses - Cons		503,36	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	1.491,05
	Travel - Ground - Cons		579,63	459,54	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	0,00	5.792,60
	Net Loan/Borrow Payroll		8.902,05	6.030,48	12.635,09	5.743,22	10.337,80	13.763,74	11.486,45	9.189,16	0,00	0,00	0,00	0,00	0,00	0,00	164.619,51

# Additional examples exist for the monitoring and controlling of risks

## Risk Monitoring & Controlling – Example

Real Life

### Risk Register

- = High Risk after Mitigation
- = Medium Risk after Mitigation
- = Low Risk after Mitigation

Nr.	Risk	Risk name	Project	Date	Source	Damage entry	before			Mitigation strategy, Remarks
							Probability	Consequence	Risk Classification value RCV1	
	Risk Description	Short name of risk	Project name	Evaluation Date		Damage will occur approximately on date (mmm. yy)	1: 25% 2: 50% 3: 75% 4: 100%	1: < 10 T€ 2: 10 - 50 T€ 3: 50 - 100 T€ 4: 100 - 300 T€ 5: > 300 T€	Dependency to stream	
1	asdf	Parallelise IT concept (R2) and template (R1)	IT	19.11.08	rad	Mrz. 09	3	3	9	Detailed resource planning of both project phases
2	asdf	Less resources for run SAP in futur	IT	19.11.08	rad	Jun. 10	2	5	10	Wait of detailed IT architecture information
3	asdf	Scope of divisional planning	BM	14.08.08	Unknown business requirements	Sep. 08	2	3	6	Scope has to be roughly defined in early stage of concept phase. Implementation is included in 2009.

# When planning and controlling resources it is important to keep some facts in mind

## Resource Monitoring – Recommendations

### Loading Resources

- Assign & monitor experienced resources to critical path tasks to mitigate the risk of schedule slippage.
- If resource availability permits, assign the same resource to work on inter-related tasks in the work plan.
- Take advantage of the context the resource has specific to the work and increase efficiency.
- Avoid assigning multiple resources to a task.



**Select and monitor the resource with the right experience and skills for the task.**

### Monitoring Resources

- Examples of over-utilization – during planning:
  - Fulltime assignment on >1 task during the same time.
  - Assignment to a summary task and 1+ of the subtasks.
- Examples of over-utilization – after project start:
  - Increased duration of tasks.
  - Increased assignment units for resources.
  - Decreased unit availability for resources.



**A flexible project structure is required as from time to time there are likely to be resources that are over or under-utilized.**

### Levelling Resources

- Do not plan for an absolute 100% utilization of all resources.
- At Accenture it is important for resources to have time for non-project activities important to our organization and to the morale of the resources (such as PTO, training, community meetings, etc.).
- Consider the morale of individuals.



**Maximize resource utilization without exceeding their availability.**



Keeping a few rules in mind can help you to manage your daily project work in a successful manner

## 11 Golden Rules in Practice

- #1 – Only completion is final**
- #2 – Climb the wall. Problems are your business**
- #3 – Escalate problems quickly**
- #4 – Give managers a chance to manage**
- #5 – Problems need owners**
- #6 – Ask (the right) questions**
- #7 – Issues and risks are different**
- #8 – Always have a work plan**
- #9 – Know your status – KPIs (CV, SV, CPI, SPI)**
- #10 – Stay clear on scope**
- #11 – Write it down**

Q&A

**Andreas Range**

**>  
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