#project #process #change



Managing Change and Uncertainty with Project Portfolio Management

PMI Philippines Chapter - Vis/Min Region Technical Session 2018-3 Cebu Saturday, November 10, 2018 from 2:00pm-6:00pm

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next level consulting – Profile



- **Key** Founded in 2000 in Austria
- Facts Largest project management training provider in Central Europe
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- Services Full-service provider for project, process, and change management
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 - Development of customized formats and programmes
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- **Emotion** 90% repeat customers
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Industries: IT, telecommunications, engineering, energy, industry, pharmaceuticals, automotive, logistics, banking and insurance, public administration, health, NGOs and many more.

Walter Sedlacek, APAC Representative & Senior Consultant next level consulting

What we can do for you







Scope of services



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Locations



Representatives: Australia, China, France, Iran, Philippines, Spain, Thailand

APAC Consultants





Thomas Martin, Singapore, Manila - Representative Specialty: Agility, Portfolio, Management, next portfolio Industry Focus: IT, Professional Services



Walter Sedlacek, Singapore, Manila, Vienna - Representative Specialty: PMO, Project Management, next project Industry Focus: IT, Automotive



Gunnar Jaschik, Singapore Specialty: Change Management, Leadership Industry Focus: Banking, HR, Prof. Services



Haw Lin Tan, Singapore Specialty: Project Management, Leadership Industry Focus: IT & Telecommunications



Ida Suod, Singapore Specialty: Agile Project Management, Change Management Industry Focus: Creative, Construction



Merissa Madani, Singapore Specialty: Project and Change Management Industry Focus: Manufacturing, Supply Chain



Sanjay Mehta, Singapore Specialty: Change Management, Coaching, Leadership Industry Focus: SME



Sheng Jiang, Beijing Specialty: Project, Program & IT Service Management Industry Focus: IT, Technology



Thomas Halliday, Singapore Specialty: PMO Industry Focus: Logistics & Supply Chain



Bernd Haring, Australia Specialty: Strategy & Business Transformation Industry Focus: Health & Aged Care, Prof. Serv.

Velimir Tasic, Singapore



Specialty:Project and Multi-project Management, Strategy **Industry Focus**: SME, IT, Professional Services, Startups, NGOs

Gonzague Patinier, Bangkok



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Project Portfolio Management Approach

Survey

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Who is managing the Project Portfolio Management in your Company?



Top management Points of View on Project Portfolio management ...





Dr. Georg Pölzl, Chief Officer Deutsche Telekom

- >"Be assured that the entire managing board stands behind project management."...
- >... "Project management is a top-management-task and should be fulfilled by adequately positioned line managers."



Gregory Balestrero, CEO emeritus PMI[®] > "Without an integrated approach (PMO) no excellence in project management." ...

>... "Without Project Portfolio management no Project Management really can exist."



Portfolio Definition



portfolio 🔹

NOUN

- range of investments held by a person or organization.
 'a portfolio of insured municipal securities'
- A range of products or services offered by an organization. *'an unrivalled portfolio of quality brands'*



Definition

A range of objects managed by an organization based on a common set of criteria.

Today, organizations are faced with ...





Project Portfolio Management facilitates the achievement of company objectives



A **Project Portfolio** is a group of projects that are coordinated together, with the target to result in a greater benefit for the company in contrast to if they were coordinated separately.

Project Portfolio Management is a permanent organizational function responsible for the governance of projects to ensure achievement of the company objectives.

Ensure effectiveness and efficiency





Project governance through vertical and horizontal integration





Project Portfolio Management links strategy with execution





Aggregation levels in project controlling





Project Portfolio Management Objectives



- > Align projects with strategic objectives and initiatives
- > Manage resources and to allocate them across the projects
- > Set priorities across projects
- > Coordinate objectives, schedules etc. between projects
- > Handle dependencies and conflicts between projects
- > Identify and use synergies across projects
- > Cancel projects which are not or no longer promising/profitable
- > Support organizational learning
- > Establish a common PM culture and common PM standards in the company

Project and Portfolio Management Processes





Pragmatic Approach to Project Portfolio Management





Criteria (case-by-case)

- Must-Projects (legal compliance, ...)
- Critical for achieving the fiscal year targets
- Critical for the next 1-2 years
- Longterm strategic significance
- Risk/Implementation
- ...





Active Projectportfolio

Tactical Approach to Project Portfolio Management



> Project selection (go/kill)



> Resource allocation







Strategic Approach to Project Portfolio Management



What are our strategic buckets?

- > Based on strategic objectives (e.g. new business areas, BCG matrix, ...)
- > Product lines
- > Project types (e.g. innovation vs. product maintenance)
- > Basic research vs. product development
- > Platform development vs. customer specific development
- > Technologies
- >...



How much money do we put in every bucket?

Common Practical Challenges



- > What do we call a project?
- > How can we derive the size of the different strategic buckets from the strategy?
- > How do we assess strategic relevance?
- > What is the practical significance of priority 1, 2 or 3?
- > Is everybody adhering to the decisions regarding the project priorities?
- > How do we recognize and react to changing situations?
- > How are changing situations considered when setting project priorities?

Common Project Portfolio Dimensions



- > Size / Cost / Budget
- > Value / Benefits / ROI
- > Contribution to strategic objectives
- > Urgency: e.g. compliance project
- > Risk
- > Status: Scope, Time, Resources (RAG, needs clear definition)
- > Project type: e.g. R&D, Marketing, Org/IT, Product Development, Investment
- > Resource Usage / Assignment
- > Dependencies / relationship to other projects

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Project Portfolio Management Visualization

Single Project View



Project 2017-007 - 1	Viewer My 1st Project	t																
Project Manager			Project Owr	er			Project Description											
Peschke A.			Goldschmidt	M.			This is my first project which has been created with the project editor. For the project description is an extended text											
Type of Project			Complexity				editor available, to see more than one text line. Also for the project viewer this field in displayed in multiple lines to describe the project in more detail for the viewers.											
Others			Project															
Priority			Portfolio Are	a														
high (1)			Offices															
	Status Project O The project started owner. The first ph	d on time, the proj				ne project	Project	Base	Current		192 Tage							
					., ene nepp).		Start	20.08.2017	20.07.2017		330 Tage							
\sim							End	28.02.2018	15.06.2018									
							Milestones	Base	Current	Name								
							\checkmark											
							\checkmark	20.08.2017	20.07.2017	Project started								
								20.10.2017	20.10.2017	Anything finished								
15.09.2017								04.12.2017	04.12.2017	Something else star	ted							
								15.01.2018	15.01.2018	Everything delivered								
								28.02.2018	15.05.2018	Project finished								
		Base	Actual To Complete		Current	Deviation	Ressourcen			Kosten								
Resources		35	4	31	35	0		35										
Labour Cost		17.500	2.000	15.500	17.500	0	n	nd	_	17.500€								
Non-Labour Cost	+	5.000	2.000	5.000	5.000	0	3	31										
	excl. CR	22.500				0		nd		15.500€	5.000 €							
Total Cost	incl. CR	23.000			22.500	-23.000		4		2.000 €	5.000 €							
Project Phase								nd ources		Labour Cost	0 € Non-Labour Cost							
	dea	F	Planned		> 0%		>	25%	$\rangle\rangle$	> 50%	>75%							

Project Table



- > Overview of all Projects within a table
- > Possibility to sort and filter e.g. by department
- > Popular sorting:
 - > In terms of organization
 - > Variances to schedule (%, dates, Resources, Costs)
 - > Status (Traffic Lights)

•	•	

Projektcode	Project Name	Detailed Project Name	Project Owner	1	er Base Start Date	Base End	Current	Current End Date		Overall		Status	Latest Status	tus Portfolio Area										
				Project Manager		Date				- P	Project Phase	Traffic				S	umme der Ressource	en		Summe der Kosten				
							Start Date		(Number)	Progress		Light	Report		Base	Actual	To Complete	Current	Deviation	Base	Actual	To Complete	Current	Deviation
	green								3	29,10	%													
2017-002	EDV Training	Reorganisation 2017	Rabl W.	Peschke A.	15.03.2018	15.09.2018	15.03.2018	15.09.2018	1	0,00	% > 0%	green	15.01.2017	Offices	75	7	0	84	0	57.500,00€	8.500,00€	0,00€	67.000,00€	0,00€
2017-004	EDVSys	Mein erstes im Editor angelegtes	Gruber H.	Maier G.	02.07.2017	21.03.2018	03.07.2017	28.03.2018	3	12,50	% Planned	green		Offices	516	65,5	468,5	534	18	297.700,00 €	34.500,00 €	264.200,00 €	302.700,00€	5.000,00€
2018-001	Mein erstes Projekt	Mein erstes im Editor angelegtes	Rabl W.	Peschke A.	17.02.2017	28.02.2018	17.02.2017	31.03.2018	1	33,009	% > 25%	green	01.06.2017	Offices	205	10	0	250	0	109.500,00 €	5.500,50 €	0,00 €	131.760,00 €	0,00€
2017-007	My 1st Project	This is my first project	Goldschmidt M.	Peschke A.	20.08.2017	28.02.2018	20.07.2017	15.06.2018	4	10,009	% > 0%	green	15.09.2017	Offices	35	4	0	35	0	22.500,00 €	2.000,00€	0,00€	22.500,00€	0,00€
2017-010	My 4th Project	This is my fourth project					15.06.2016	20.09.2016	4	90,00	% Closed	green		Headquarter	0	0	0	150	0	0,00€	0,00€	0,00€	6.000,00€	0,00€
	yellow								2	43,679	%													
2017-001	ITSys	Einführung eines IT-Systems	Gruber H.	Peschke A.	02.07.2017	24.03.2017	03.07.2017	28.03.2018	2	55,00	% > 50%	yellow	29.08.2017	Offices	412	55,5	471,5	422	11	245.700,00 €	29.500,00 €	270.200,00€	247.200,00€	8.000,00€
2017-009	My 3rd Project	This is my third project	Goldschmidt M.	Peschke A.			01.06.2017	28.02.2018	3	66,00	% > 50%	yellow		Offices	61	2	0	62	0	30.500,00 €	1.000,00 €	0,00€	32.000,00 €	0,00 €
2017-005	Website 2.0	Website-Relaunch 2016/17 - Phase 2	Rabl W.	Sattler B.	01.01.2017	30.06.2017	15.01.2017	31.07.2017	2	10,00	% > 0%	yellow		Offices	112	20	0	112	0	81.500,00 €	10.000,00€	0,00€	81.500,00 €	0,00€
	red								3	26,00	%													
2017-008	My 2nd Project	This is my second project	Rabl W.	Peschke A.	01.03.2017	30.09.2017	01.04.2017	25.11.2017	1	27,00	% > 50%	red	30.04.2017	Offices	32	7	0	37	0	21.500,00 €	4.500,00 €	0,00 €	26.000,00 €	0,00€
2017-003	Produkt XY	Produktentwicklung XY	Goldschmidt M.	Peschke A.			15.02.2017	30.11.2017	4	25,009	% > 75%	red		Offices	0	0	0	70	0	0,00€	0,00€	0,00€	40.000,00€	0,00€



Dashboard View



Project Pipeline







Benefit/Risks

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Dimensions: X-Axis: Risk Y-Axis: Benefit Size: budget Color: status






Resource allocation



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How to implement a Project Portfolio? It is part of a PMO!

Project Management Office (PMO) – Definition



A PMO is an organizational body or entity assigned various responsibilities related to the centralized and coordinated management of those projects under its domain. The responsibilities of a PMO can range from providing project management support functions to actually being responsible for the direct management of a project. The PMO can be a stakeholder if it has direct or indirect responsibility for the outcome of the project.

acc. to PMI "The Standard for Portfolio Management"

The deliverable of a Project management Office (PMO)



PM Standards & Tools

- > Definition of PM guidelines and methodology
- > Central management of PM tools, templates and information systems
- > Knowledge archive

Quality & assurance of project portfolio

- > Planning and execution of project audits
- > Quality checks and quality improvements in projects

Project management education and training

- > Definition of PM training goals, project manager career path
- > Execution and management of PM training
- > Coaching of project managers and project teams
- > Building and developing the PM community within the company

Providing a pool of resources for projects

- > Project managers
- > Project assistant

Project portfolio management and controlling

- > Regular monitoring and reporting of project portfolio
- > Preparation of Project Portfolio Board meetings

The ultimate value of a PMO Airport?





Success of a PMO





Acceptance through Sounding Boards and Stakeholder Management





Involve the past when building the future





PMO as strategic enabler





Understand the Power Game: Projects as temporary Organisations ...





... means *temporary* information structures as well as *temporary* decision structures.

Large Size Organization







Medium / Small size Organization







Portfolio Management facilitates executive discussions





Business Case – PMO



- > Business cases must be simple
- > Calculate the one-time-costs to set-up a PMO
- > Calculate the ongoing costs for a PMO
- > Calculate the savings if all projects are in time and quality
- > Calculate the savings if all projects will be discussed in one Portfolio board
- > Calculate 10% manpower reduction due to centralized project manager pool
- > To get this information, interview stakeholder!

Business Case – PMO – EXAMPLE

- > One-time-costs to set-up a PMO: 100 000 USD over three months
- > Ongoing costs for a PMO: 50 000 USD per month

Savings No 1: All projects are in time and quality

- > 15 projects are closed per year each with a budget of 150 000 USD
- 66% of these are late 9 month and cause +5% project costs / month
 (10 projects cause 7,500 USD cost per month equals 75 000 USD per month)
- > This leads to 75 000 USD savings per month over a year
- > Savings materialize 3 month after start of implementation of PMO

Savings No 2: All project will be discussed in one Portfolio board

- > 5 000 USD savings per month
- > Savings materialize 1 month after start of implementation of PMO
- Savings No 3: Calculate **10% manpower reduction due to centralized PM pool**: with 20 PMs this leads to 160 000 USD savings per year (2 FTE) or 13 300 USD savings per month
- > Savings materialize 3 month after start of implementation of PMO



Business Case – PMO – ROI



Month	1	2	3	4	5	6	7	8	9	10	11	12
Set up the PMO	-\$33.333	-\$33.333	-\$33.333	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Ongoing costs of the PMO	\$0	-\$50.000	-\$50.000	-\$50.000	-\$50.000	-\$50.000	-\$50.000	-\$50.000	-\$50.000	-\$50.000	-\$50.000	-\$50.000
All projects are in time and quality	\$0	\$0	\$0	\$75.000	\$75.000	\$75.000	\$75.000	\$75.000	\$75.000	\$75.000	\$75.000	\$75.000
All project will be discussed in one Portfolio board	\$0	\$5.000	\$5.000	\$5.000	\$5.000	\$5.000	\$5.000	\$5.000	\$5.000	\$5.000	\$5.000	\$5.000
10% manpower reduction due to centralized project manager pool	\$0	\$0	\$0	\$13.300	\$13.300	\$13.300	\$13.300	\$13.300	\$13.300	\$13.300	\$13.300	\$13.300
Sum per month	-\$33.333	-\$78.333	-\$78.333	\$43.300	\$43.300	\$43.300	\$43.300	\$43.300	\$43.300	\$43.300	\$43.300	\$43.300
ROI	-\$33.333	-\$111.667	-\$190.000	-\$146.700	-\$103.400	-\$60.100	-\$16.800	\$26.500	\$69.800	\$113.100	\$156.400	\$199.700
Month	1	2	3	4	5	6	7	8	9	10	11	12
PMO investment	-\$33.333	-\$83.333	-\$83.333	-\$50.000	-\$50.000	-\$50.000	-\$50.000	-\$50.000	-\$50.000	-\$50.000	-\$50.000	-\$50.000
PMO savings	\$0	\$5.000	\$5.000	\$93.300	\$93.300	\$93.300	\$93.300	\$93.300	\$93.300	\$93.300	\$93.300	\$93.300
ROI	-\$33.333	-\$111.667	-\$190.000	-\$146.700	-\$103.400	-\$60.100	-\$16.800	\$26.500	\$69.800	\$113.100	\$156.400	\$199.700







Project management Office: KPIs



- > KPIs help to measure the performance of a PMO
- > KPIs help to justify the PMO operations
- > KPIs MUST be agreed with the supervisor of the Head of PMO upfront
- > KPIs should be reviews monthly and adjusted yearly
- > KPIs values should be planned per year in advance
- KPIs should be reported to all stakeholder monthly:
 plan vs. actual values
- > KPIs must be very simple!

Examples:

- > KPI#1: number of projects in time, budgets and quality
- > KPI#2: number of portfolio boards per month
- > KPI#3: percentage of projects with PM and Sponsor
- > KPI#4: percentage of PMs using 80% of PMO standards
- > KPI#5: percentage of PMs having PMO trainings done
- > KPI#6: number of project audits per year
- > KPI#X:

Use the right tools





Free Tool for Project and Portfolio Management



next project light

- > 50 tasks (incl. summary tasks and milestones)
- > 3 input levels (incl. project level)
- > 3 levels and 10 project phases in the WBS display (depending on the layout)
- > 1 resource type per project
- > 2 cost types per project (fixed 1 automatic and 1 manual)
- 6 years project lifecycle (for resource and cost distribution, Gantt chart timeline displays are only possible for reasonable lengths of time)
- > 1 project manager, 1 project owner, 12 project team-members, 12 project participants
- > 10 objectives and non-objectives, 8 project environments, 250 to dos







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How to bring Project Portfolio management to life?

Maturity-Based Implementation Model



> Step 1: Establish PM Professionalization as an internal project

- > Integrative Project Organization for a wider acceptance of PM within the Company
- > Resource Learning & Development (PM Education) and Organizational Development (PM Guidelines, PM Tools, Project Handbooks and IT support)
- > Project Marketing : Success = Quality x Acceptance
- > Step 2: Single Project Management
- > Step 3: Multi Project Management
- > Step 4: Resource Management

PPM organization: Customer example 1





One portfolio board for all projects. The portfolio board is identical to the executive board.

PPM organization: Customer example 2





Specific portfolio boards are established for different project types!

(only feasible when dedicated resources are available for different project types)

PPM organization: Customer example 3





Cross-border portfolio boards are established for specific project types (e.g. IT projects).

PMOs exist in the division and in every BU.

BU: Business Unit

Phased Implementation Approach



Project Inventory

- Gain overview of existing projects
- Assess the current situation for strategic projects



(2) Get started!

- Make first operational decisions
- New projects are approved by the portfolio board



③ Active Portfolio Steering

- Budget decisions based on portfolio views
- Projects are stopped/cancelled



3 – 6 months

7 – 24 months

After 2 years

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Case Study

AS IS Situation



- > A global IT outsourcing provider plans to professionalize the project management, W. Sedlacek is in charge of that strategy and implementation.
- The goal is to put structure around projects to enable savings and focusing on the right projects by introducing Project Management in Excellence within a Project Management Competence Centre (PMCC).
- > next level consulting is the preferred supplier for project management training, coaching and consulting.

AS IS Analysis - Strength & Challenges

Starting Process in ICT Projects is excellent 001 Not sure where a proj 15 considered as started PM BOOK. allement between SOLD + proj charter. Late involvement of AM LACK OF HANDDUCK PROLESS STARTUP EXPECTATIONS SET WITH WISTONER ARE UNREALISTIC





AS IS Analysis - Strength & Challenges cont.







AS IS Analysis - Strength & Challenges cont.







Vision / Mission Statement



The Project Management Competence Center will provide processes and structures to enable delivering mission critical projects through highly skilled and empowered staff in a cost effective and transparent way.

Definition of a Project



Criteria	Changes	Project	Programme		
Organisation / Complexity		> 1 Factory Line plus different Line products	> 2 Factory Lines		
Duration	> 1 month	> 4 month	> 8 month		
Budget	> 50 k £	> 500 k £	> 1.000 k £		
(Resource days)					
(Key operation)					



(Key operation)

Table helps PMCC to make suggestions. Portfolio board always has the last decision.

Project Portfolio Management Process





Multi Project Management / Portfolio Management





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Q&A

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