

MEGAPROJECT Case Study

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Basic Project Information

Project Title	Flood protection project in Poland; “Raciborz reservoir”
Location	on the Odra River in Silesia Province, southern Poland
Purpose	Racibórz Dolny flood control reservoir (polder) shall improve the flood control conditions of the town of Racibórz and the Oder river valley (including the towns of Kędzierzyn Koźle and Opole) and shall decrease flood hazard for the areas below (including the towns of Brzeg, Oława and Wrocław). The Racibórz Dolny flood control reservoir will enable the reduction of flood waves through the combined overflow and bottom outlets structure. The effect of reducing flood waves by the reservoir will be significant and felt throughout the Central Odra. Reduction will affect only the flood waves with peaks higher than permitted flow rate of $Q = 1,210 \text{ m}^3/\text{s}$, determined in the environmental impact report for the section of the Odra below Racibórz.

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Basic Project Information

Scope	Object No. 1 Head dam with appurtenant structures. Object No. 2 Left side dam with appurtenant structures. Object No. 3 Right side dam with appurtenant structures. Object No. 4 Reservoir operating back-up facilities. Object No. 5 Reservoir bowl.
Total Project Value	1.337 bilion PLN (i.e. ca 330 000 000 Euro)
Project Status (i.e.. initiation, planning, construction, operation, dismantling)	in the process of obtaining building permits
Contractual Framework (e.g. fixed price, cost-plus etc.)	2% of total project value
Relevant Physical Dimensions (e.g. height, width, volume, length)	The total length of dirt dams will be 21.8 km Max. dam height will be 11.10 m. Water volume with max. level will be 185.0 mln m3 water surface area with max. level will be 24.5 km2

MEGAPROJECT Internal Stakeholder Identification

(Stakeholders with a direct legally sanctioned relationship with the project)

		Stakeholder Category	Case-Study	Comments (e.g. maturity, previous experiences of stakeholders, skills, influence on project)	
Internal	Supply-Side	Client	Regional Water Management Authority in Gliwice		
		Financiers	State budget, World Bank		
		Sponsors	This information is at the client		
		Client's Customers	This information is at the client		
		Client's Owners	This information is at the client		
		Other internal supply-side categories (please specify)	Category	Case-Study	
			-	-	
	-		-		
	Demand Side	Principal Contractor	Design Hydroprojekt, contractor not yet		
		First Tier Contractors	Not yet		
		Second Tier Consultants	Not yet		
		Professional Services Providers	Not yet		
		Other internal supply-side categories (please specify)	Category	Case-Study	
	-		-		

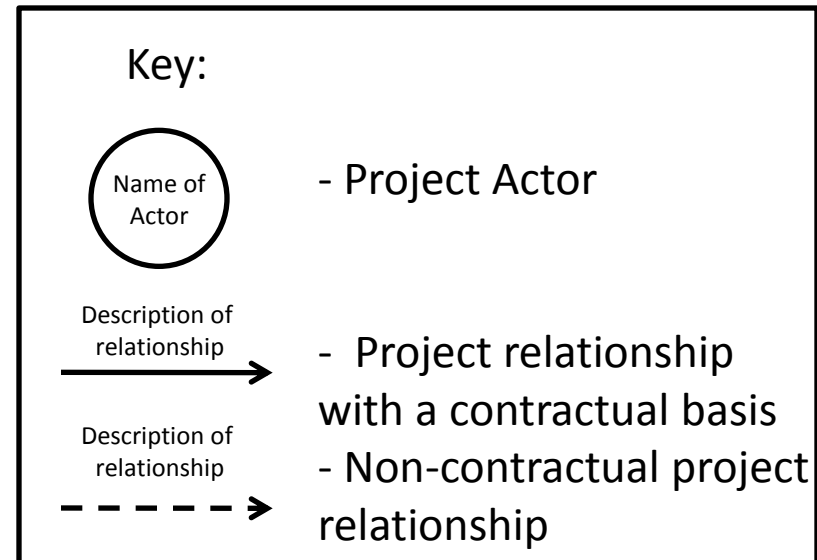
MEGAPROJECT External Stakeholder Identification

(Stakeholders with a direct interest in the project but with no legal contract)

		Stakeholder Category	Case-Study		Comments (e.g. maturity, previous experiences of stakeholders, skills, influence on project)
External	Public	Regulatory Agencies	This information is at the client		
		Local Government	This information is at the client		
		National Government	This information is at the client		
		Other internal supply-side categories (please specify)	Category	Case-study	
	Private	Local residents	This information is at the client		
		Local Landowners	This information is at the client		
		Environmentalists	This information is at the client		
		Conservationists	This information is at the client		
		Archaeologists	This information is at the client		
		Other External Private stakeholders (please specify)	Category	Case study	
			-	-	
			-	-	
-	-				

MEGAPROJECT Stakeholder Relationship Maps

Repeat this map for as many project phases as you require



MEGAPROJECT External Stakeholder Attitude Analysis

External Stakeholder	External Stakeholder's Attitude to this Project	External Stakeholder's Influence on project	Impact of Project on External Stakeholder	Phase of Project of Greatest Interest (initiation, planning, construction, operation, dismantling)

MEGAPROJECT Project Management

Project Organisation

Client Project Team Size & Structure	This information is at the Regional Water Management Authority in Gliwice
Contractor Project Team Size and Structure	
Sub-Contractor Project Team Involvement	

Project Tools and Techniques

Please ✓ if present, x if absent, leave blank if unknown

Life-Cycle Costing Approaches

Project Management Software

Lessons Learnt Transfers

Stakeholder Involvement

Relationship Management Tools

Team Building Tools

Building Information Modelling (BIM)

Project Knowledge Management Tools

Competency framework

Other Tools and Techniques or More Information
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Project Processes

Risk Management Processes	Present (<i>describe below</i>) <input type="checkbox"/> Not Present <input type="checkbox"/> <u>No Information</u> <input type="checkbox"/>
HR Management Processes	Present (<i>describe below</i>) <input type="checkbox"/> Not Present <input type="checkbox"/> <u>No Information</u> <input type="checkbox"/>
Procurement Management Processes	Present (<i>describe below</i>) <input type="checkbox"/> Not Present <input type="checkbox"/> <u>No Information</u> <input type="checkbox"/>
Integration Management Processes	Present (<i>describe below</i>) <input type="checkbox"/> Not Present <input type="checkbox"/> <u>No Information</u> <input type="checkbox"/>
Scope Management Processes	Present (<i>describe below</i>) <input type="checkbox"/> Not Present <input type="checkbox"/> <u>No Information</u> <input type="checkbox"/>
Time Management Processes	Present (<i>describe below</i>) <input type="checkbox"/> Not Present <input type="checkbox"/> <u>No Information</u> <input type="checkbox"/>
Cost Management Processes	Present (<i>describe below</i>) <input type="checkbox"/> Not Present <input type="checkbox"/> <u>No Information</u> <input type="checkbox"/>
Quality management Processes	Present (<i>describe below</i>) <input type="checkbox"/> Not Present <input type="checkbox"/> <u>No Information</u> <input type="checkbox"/>
Communications Management Processes	Present (<i>describe below</i>) <input type="checkbox"/> Not Present <input type="checkbox"/> <u>No Information</u> <input type="checkbox"/>

MEGAPROJECT Project Performance

Aspects of Performance Concerned with Doing the Project Right

	Original Targets and changes to targets	Actual Achievements Against Targets
Performance relating to time		
Performance relating to cost		
Performance related to achieving specification		

Aspects of Performance Concerned with Doing the Right Project

Stakeholder or Stakeholder Grouping	Original Aims of Project Involvement and Changes to these Aims	Achievement of these Aims

MEGAPROJECT Project Environment

Legal and Regulatory Environment

Legal and Regulatory Project Environment (regionally, nationally and Europe wide)	The project was designed on the basis of a environmental decision issued by the Regional Director of Environmental Protection in Katowice, Katowice, 7 September 2010
Specific Legal and Regulatory events impacting on the project	The environmental decision

Political Environment

Political Project Environment	-
Specific Political Events impacting on the project	Flooding in 1997 and 2010

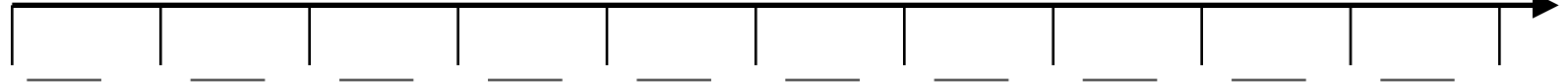
MEGAPROJECT Project Environment

Economic Environment

Economic Project Environment	
Specific Economic Events impacting on the project	

MEGAPROJECT Project Key Events and Activities Timeline

TIME



Events and activities
relating to project
stakeholders

Events and activities
relating to project
management

Events and activities
relating to project
performance

Events and activities
relating to project
environment