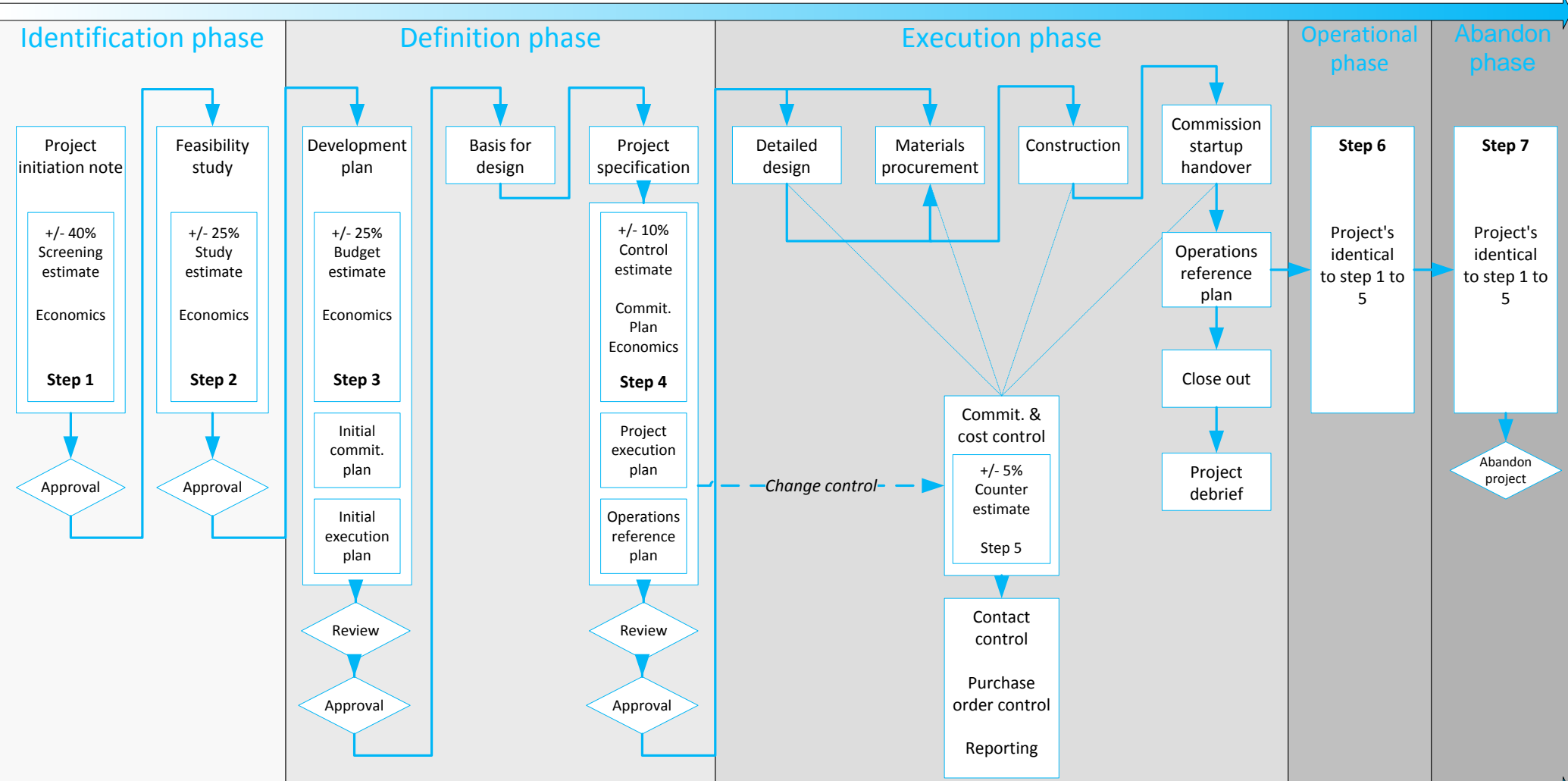


# Project Life Cycle



<b>Project management</b>				
1- Project administration (agenda's / report's) 2- Budget 25% en 40% 3- Request for proposal 4- Planning (M.S. projects)	1- Project administration 2- Tender specification 3- Budget request 4- Planning (M.S. projects)	5- Budget 10% 6- SHEQ (VGM plan)	1- Project management 2- Project administration 3- Planning (M.S. projects) 4- Cost Engineering	5- SHEQ & CE 6- Assembly support 7- Material procurement
<b>Pre-engineering</b>		<b>Engineering</b>		
1- Block diagram process 2- Mass & Energy balances 3- PFD/UFDF 4- Layout 5- Line list(s)	1- P&ID('s) 2- P&ID list(s) 3- Line list(s) 4- Process scenario(s) 5- Calculation(s) (pumps, control- and safetyvalve etc.)	6- Layout's 7- ISO's 8- Machine specification 9- Instrumentation specification	1- P&ID('s) 2- P&ID list(s) 3- Line list(s) 4- Process scenario(s) 5- Calculation(s) (pumps, control- and safetyvalve etc.)	6- Layout's 7- ISO's 8- Machine specification 9- Instrumentation specification 10- As-built documentation
				1- Calibration