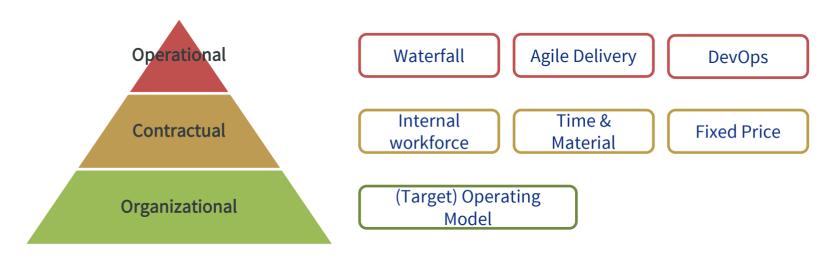


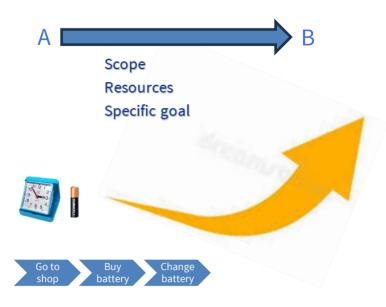
## Delivery models can rely on 3 pillars





# What is a project?

# What is a Project / Program?





# Different types of projects







# Manufacturing



## Different types of projects

- Structural works
  - Industrial constructions
    - → Factories
    - → Warehouses,...



- Transportation infrastructures
  - → Roads
  - → Railways
  - → Bridges,...
- Hydraulic works
  - → Dams,
  - → Dykes,...

- Urban works
  - → Sewers

## Different types of projects



- Production of goods
  - → Cars
  - → Alarm clocks
  - → Submarines,...

- Intangible products
  - → Software deployment
  - → Advertising campaign
  - → Olympiads organization,...
- Services
  - → Move, relocation
  - → Promotional event,...
- Changes
  - → Reorganization
  - → Post Merger Integration (PMI)

# Manufacturing



## Projects never succeed...





Hofstadter's Law: "A project always takes longer than you expect, even when you take into account Hofstadter's Law."

[1]

#### ... whatever the domain

- ⇒ In Feb 2019, the Standish Group reported than 83.9% of the projects in IT partially or completely failed <sup>(2)</sup>.
- ➡ Similar situation in Civil Engineering sector where there are many abuses (3):

Dépassements	Routes	Ponts et tunnels	Energie	Voies ferrées	Barrages	Logiciels	Jeux olympiques
Dépassements budgétaires	20%	34%	36%	45%	90%	107%	156%
Fréquence des dépassements	9 sur 10	9 sur 10	6 sur 10	9 sur 10	7 sur 10	5 sur 10	10 sur 10
Retards de livraison	38%	23%	38%	45%	44%	37%	0%
Durée en années	5,5	8,0	5,3	7,8	8,2	3,3	7,0

Based on a sample of 258 transportation infrastructure projects worth US\$90 billion and representing different project types, geographical regions, and historical periods. In 2007.

# Project Management certifications and norms

	Organization	Certificates / Norm	# holders
С	International Project Management Association (IPMA)	IPMA levels D → A	0,3M
С	Project Management Institute (PMI)	<ul><li>- Project Management Professional PMP</li><li>- Certified Associate in Project Management CAPM</li></ul>	1,3M
С	AXELOS	PRINCE2 Foundation, Practitioner	1,6M
С	ScrumAlliance	Certified Scrum master, Certified Scrum Product Owner	1,2M
С	IASSC (International Association for Six Sigma Certification)	Lean Six Sigma belt from white to black	>3/4M ?
N	AFNOR (ISO)	ISO 21500 Foundation, Lead Project Management, Lead Assessor	24k+ standards



















# **Appendix**

#### Table of Reference

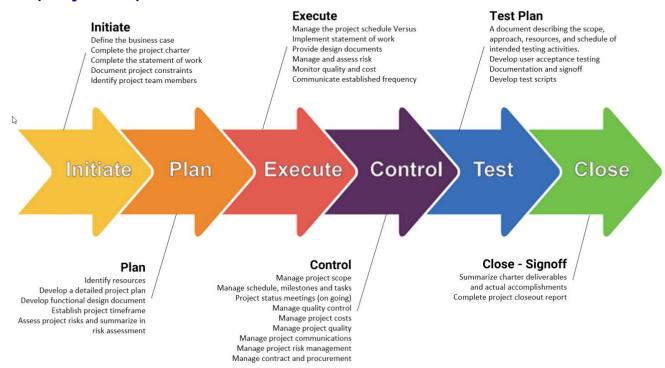
#3 What is a project?

- (A). Rooney, Paula (October 3, 2002), Microsoft's CEO: 80-20 Rule Applies To Bugs, Not Just Features
- (B). Human Development Report 1992, Chapter 3
- (1). Hofstadter's law on Wikipedia
- (2). The Standish Group Reports 83.9% of IT Projects Fail
- (3). Bent Flyvbjerg, Mette Skamris Holm et Soren Buhl, « Underestimating Costs in Public Works Projects: Error or Lie? »

# **4** .1

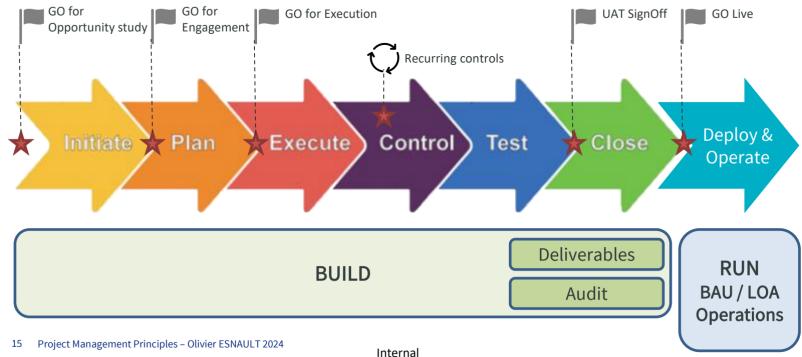
# Initiating a project

## Typical project's phases



# Typical project's phases and Gating Process





# **Appendix**

# French correspondance of covered concepts

#### #4.1 Initiating a project

Concept	French correspondance / usage
Full Time Equivalent: FTE	Equivalent Temps Plein : ETP
MSA: Master Service Agreement	<ol> <li>Contrat Cadre</li> <li>MSA</li> </ol>
SOW: Statement Of Work	<ol> <li>Contrat d'Application</li> <li>SOW</li> </ol>
RFI: Request For Information	Demande d'Information
RFP: Request For Proposal	<ol> <li>Appel d'Offres</li> <li>RFP</li> </ol>
NPV: Net Present Value	<ol> <li>NPV</li> <li>VAN: Valeur Actuelle Nette</li> </ol>
POC: Proof Of Concept	POC
MVP: Minimum Viable Product	MVP

# French correspondance of covered concepts

#### #4.1 Initiating a project

Concept	French correspondance / usage
BCA: Business Case	Business Case
BAU: Business As Usual LOA: Lights-On Activities	<ol> <li>Maintien en Conditions Opérationnelles (MCO)</li> <li>Activités de fonctionnement</li> </ol>
BCP: Business Continuity Plan	PCA : Plan de Continuité d'Activité
DRP: Disaster Recovery Plan	PRA : Plan de Reprise d'Activité
PMP: Project Management Plan	Plan projet