

An aerial photograph of the EPFL campus in Lausanne, Switzerland, taken during the 'blue hour' of dusk. The image shows the modern, white, undulating roof of the Science of Construction building in the center, surrounded by other campus buildings, green spaces, and parking lots. In the background, Lake Geneva and the Swiss Alps are visible under a dramatic, cloudy sky. The overall color palette is dominated by the blues and purples of twilight, with the red of the EPFL logo and the white of the building providing contrast.

Project management

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IC Deputy
Dean

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11 years in private industries managing technical services and projects

4 years as independent consultant

17 years at EPFL:

- 10 years in charge of EPFL infrastructures
strategy / teams of project managers, engineers / maintenance technicians
- 7 years as Deputy Dean of IC School

Engineer + EMBA

Experience in project management for private industry and public institutions

Range from simple equipment purchasing RFQ, to complex 10s millions project management

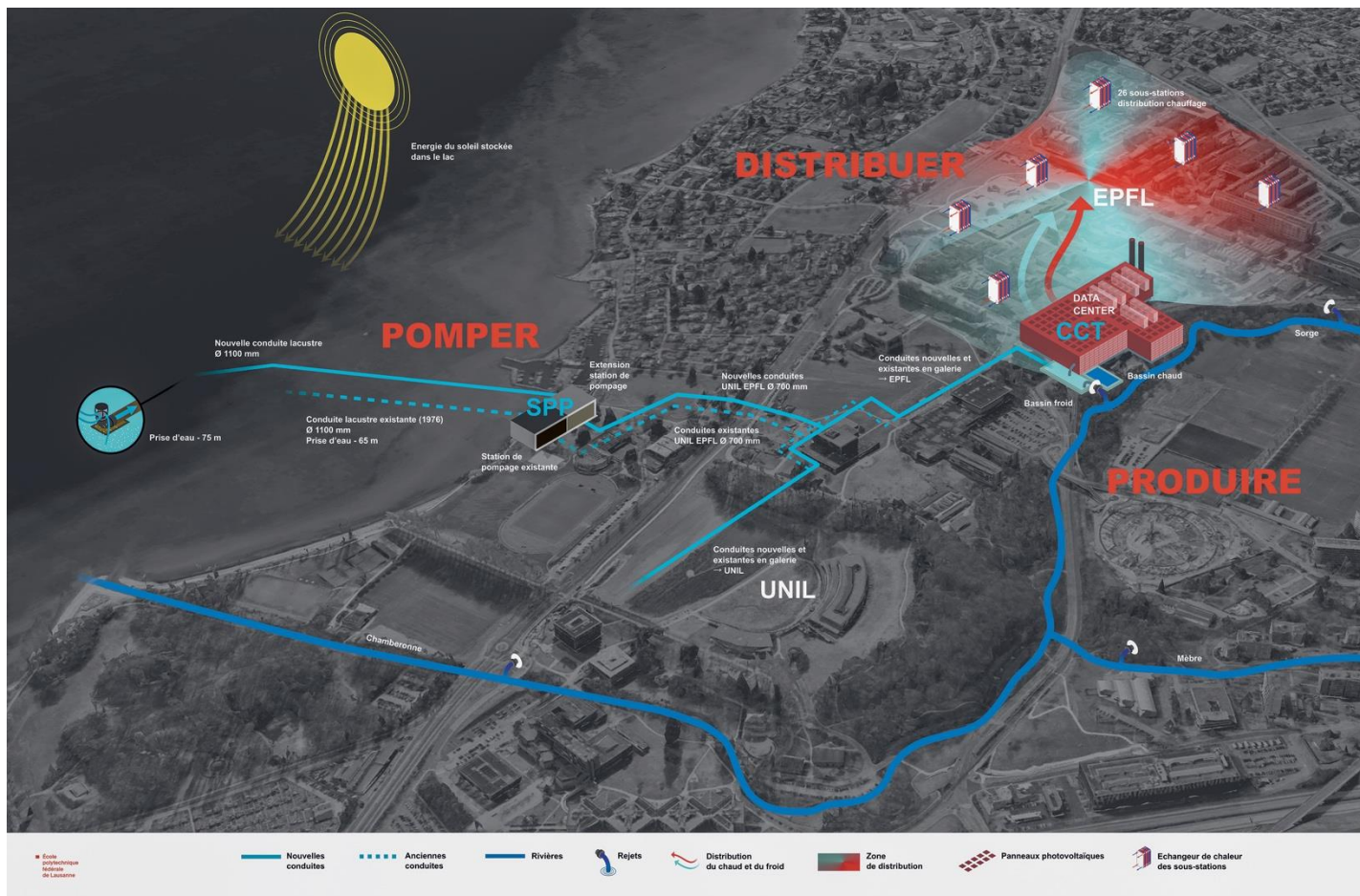
Objective of my presence:

Present an example of project organization and process

Outline the importance of some fundamental concepts and key take aways

Discuss any questions and hope to give you the feedback I can from my experience

Example: Data center infrastructures / heating / cooling



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CONTEXT

Know your context

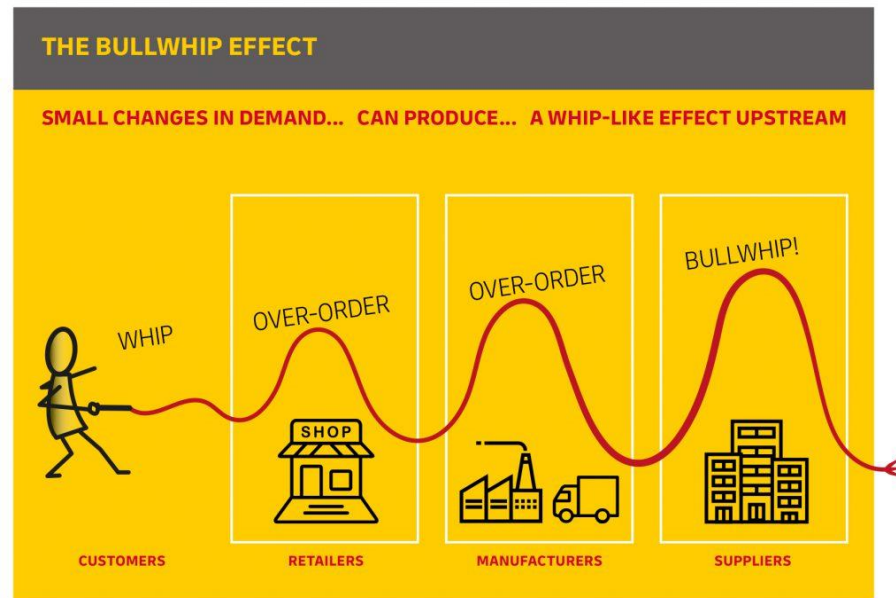
- Private - Public - Both
- National - International
- Legal that depends on above
- Hidden agendas
- RFI-P-Q procedure and organization
- Risks
- Potential foreseen changes and implications

Think broad and beyond the project itself

Be aware of the bullwhip effect

It applies to many other contexts than supply chain

<https://www.techtarget.com/searcherp/definition/bullwhip-effect>



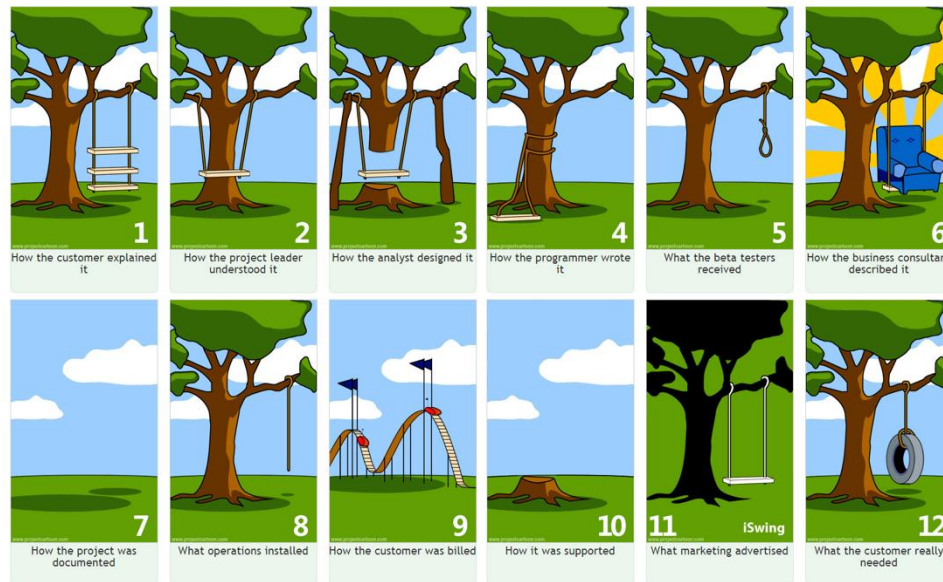
CUSTOMER ORIENTATION

Know who the end customer is

- Make sure you have direct links to him and keep the customer as prevailing center of attention
- Coordinate with the other stakeholders

Know the real customer's needs

- Final usage
- Expected performance
- Prioritize needs with him
- After sales / Maintenance / Service Level Agreements / Performance contracting over x years
- Documentation / Language / documentation's users



RESOURCES

Know what the resources are and who manages them

- Financial:
 - Investment capital
 - Operational budget and Total Cost of Ownership
- Human: decisional power, project capacity and operational capacity
- Organizational: how are the managerial VS project VS operational resources aligned ?

... And don't forget: things need to get done, not only designed, planned and coordinated

