

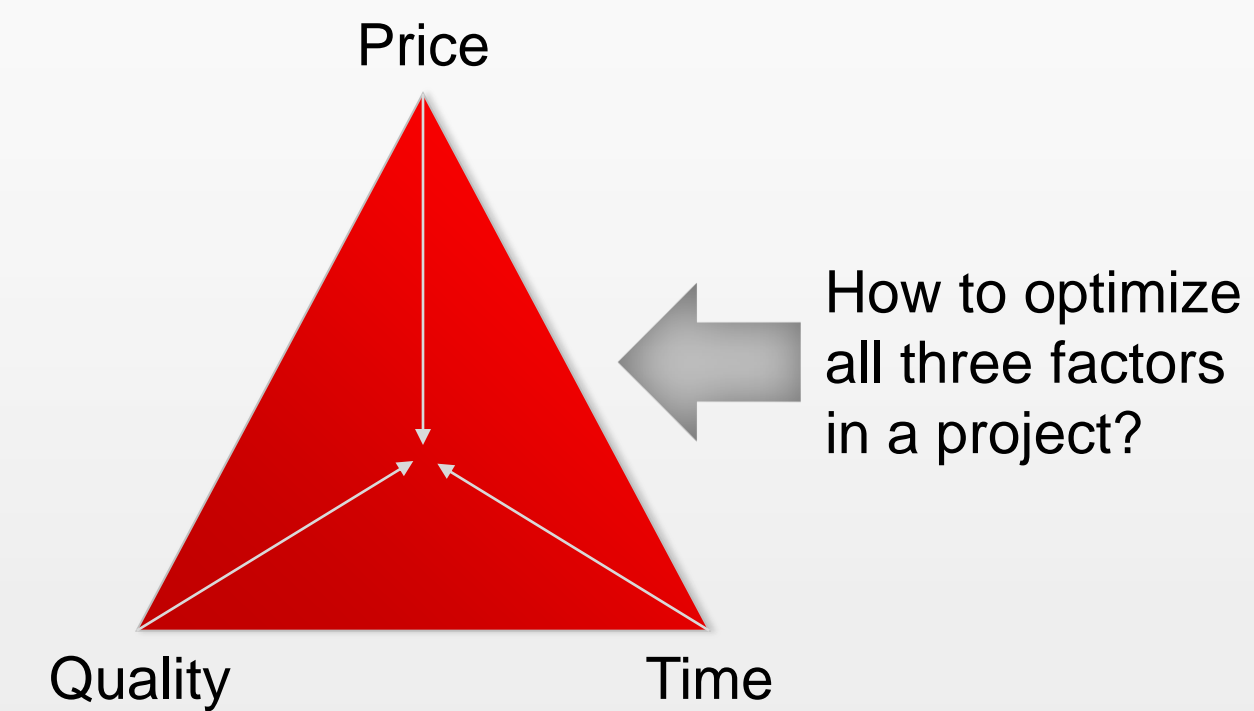
Abstract & Conclusion

ABSTRACT

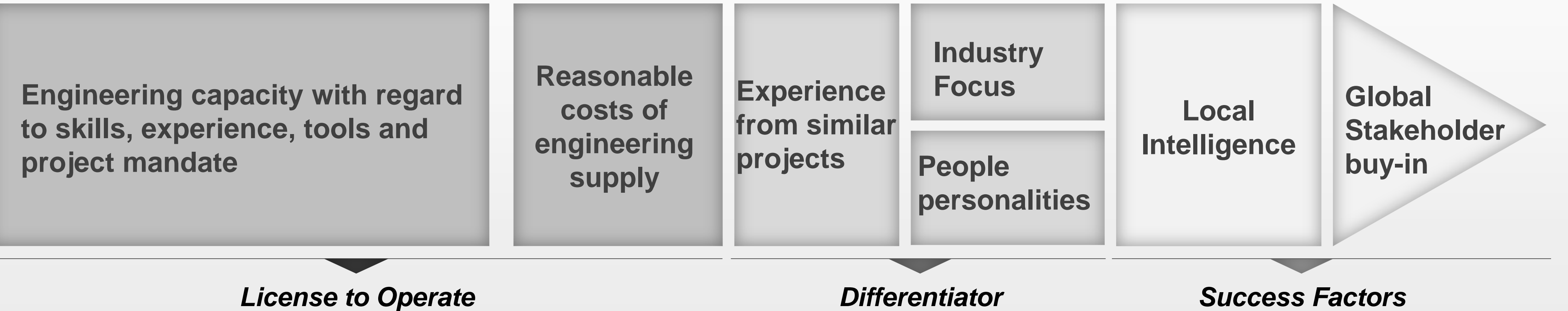
Deployment of funds into a project which will last for many decades is a huge responsibility on all parties concerned and should be managed with respect for the complexity and challenges associated with any project.

CONCLUSION

Robust structures where experience can be leveraged in combination with successful participation of individual personalities will deliver successful projects in terms of Price, Quality & Time. *“Top teams are worth 10% to the owner of the project in terms of time, cost and functionality”.*

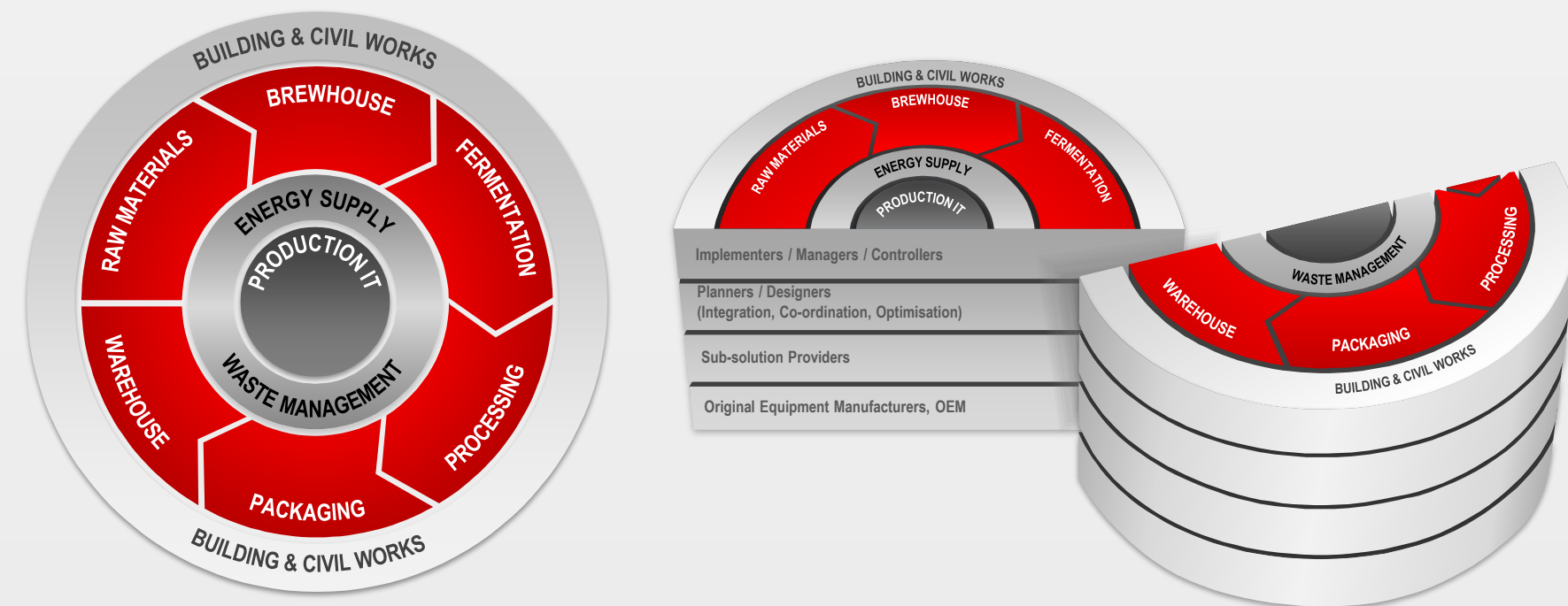


Generic Engineering Approach Model



How to break-down a project by phase and works

1. Master Planning & Conceptual Design
2. Basic Design
3. Design Finalization & Value Engineering
4. Bidding & Contracting
5. Design Co-ordination
6. Supervision during Installation
7. Commissioning & Testing



Project Check-list....

- 1 Continuously focus on only ONE agenda, i.e. the agenda of the project, during all phases of the project
- 2 Maximize deployment of project excellence during all phase of the project
- 3 Secure global stakeholder commitment in early phases of the project
- 4 Front-end load Project Planning activities
- 5 Commit limited funds in advance of all Project Planning activities being complete
- 6 Involve future operational staff in Project Scoping activities and secure cross functional involvement during implementation of the project
- 7 Challenge project assumptions prior to funds being committed
- 8 Leverage market dynamics with regard to sourcing of solutions, plants and components.
- 9 Establish necessary boards and committees to handle issues swiftly during project execution
- 10 Deploy modern and robust Project Management routines and processes (incl. OHS&A, etc.)
- 11 Establish a dynamic documentation management system during project implementation

Words of wisdom from the industry

Rob McKenzie, Lion Group, Australia

Focus on the 4 P's

- **Planning** – clear objectives & scope, detailed design, risk mitigation & contingencies
- **People** – right capability, right partners, right allocation of time
- **Process** – safety number one, right structure, clarity over responsibility, proactive communications, engagement of all stakeholders re-change, learning capture, scope change
- **Performance** – transparent tracking metrics for all project aspects

Joao Guimaraes, Unicer Group, Portugal

In addition to the Project Check-list then also focus on:

- Interface management – Handle the boundaries between different areas in a project
- Define goals and objectives for the project.

Rod Milne, SAB Miller, South Africa

- Project competence – hire the Best its well worth it.
- Execution and sourcing strategy is the key

“Most of the disasters I have witnessed have been through poor people competence, combined with weak experience and ineffective organization design”.

Karl Hattesen, Carlsberg Supply Company, Switzerland

“The starting point for all successful projects is to do a Conceptual design with a realistic time schedule and with an accurate budget”.

“To do this, it will require a project team with the right skills and experience”.

“Strong project management is the key for a successful project”.