



PROJECT MANAGEMENT
CENTER FOR EXCELLENCE

A.J. CLARK SCHOOL OF ENGINEERING
Civil & Environmental Engineering Department



ACCREDITED PROGRAM

ENSURING SUCCESS IN DELIVERING PMIS FOR AGENCY OWNER

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2019 Project Management Symposium



Content

- Introduction
- Observations
- Case Studies
- Lessons Learned



Prath Mehta, P.E.

- Civil/Structural engineer
- 20 years in the industry
- 11 years - PMIS implementations
- Public agencies and private companies
- Past 5 years with public agencies





Case Studies

Public Agencies



Funding source



Long term capital improvement plan (CIP)



Infrastructure CIP projects



Regulated

Spending plan
HR and hiring policies
Accountability



PMIS Implementation Rationale



Infiltration of computers (IT systems)



Environmental impact



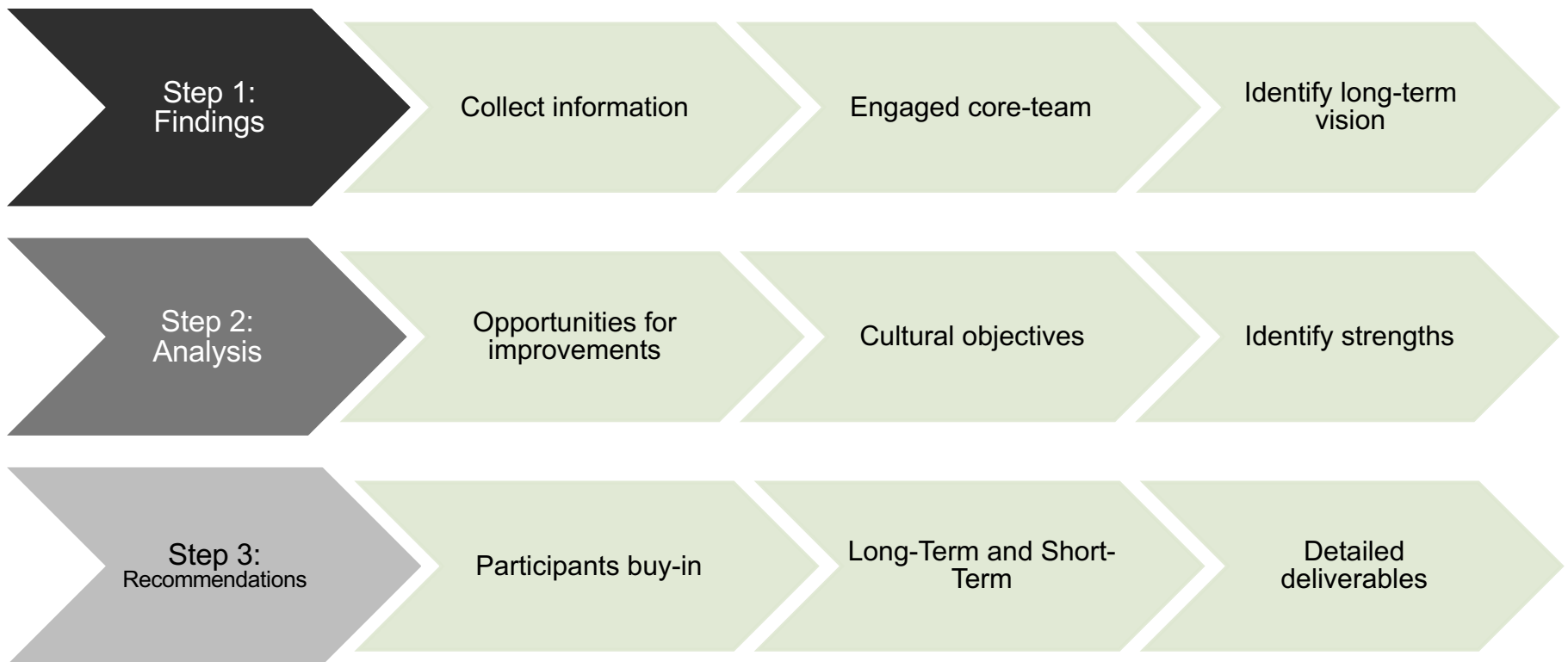
Process improvements



Keeping up the pace !!!



Implementation Initiation





Planning

- System selection
- Core team
- Phase identification

Execution

- Phased execution
- Design & deployment
- Validation & UAT

Closing

- Goal achievements
- User adoption
- Maintenance roles

Monitor and Control

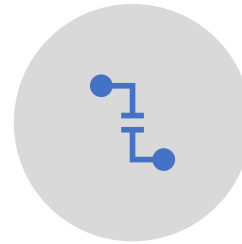
- Reconciliation | Plan vs Execution
- Seasonal deadlines

Implementation Life Cycle



Observations

Functional /
Organizational



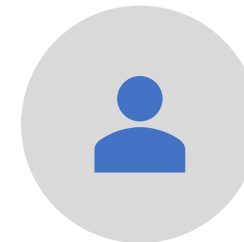
Internal
bureaucracy



Long-term vision



Documentation



Consultants Role

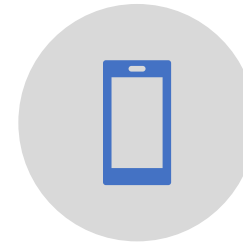


Observations

Technical



Not ERP



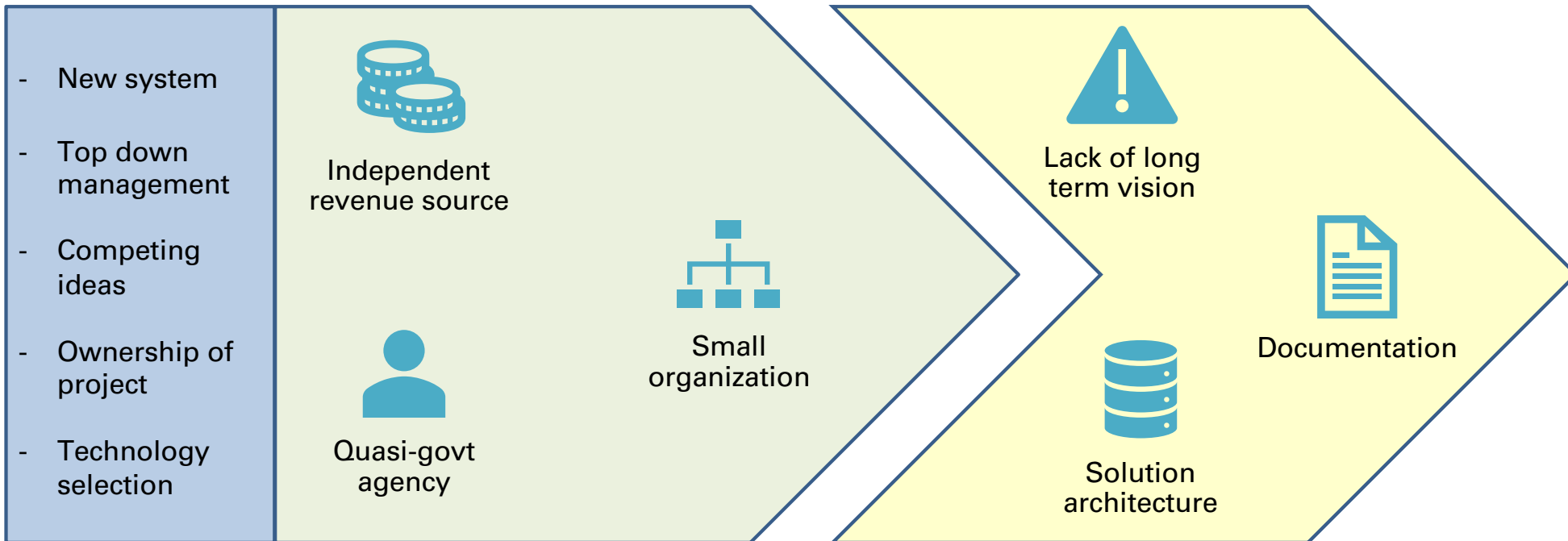
Solution
architecture



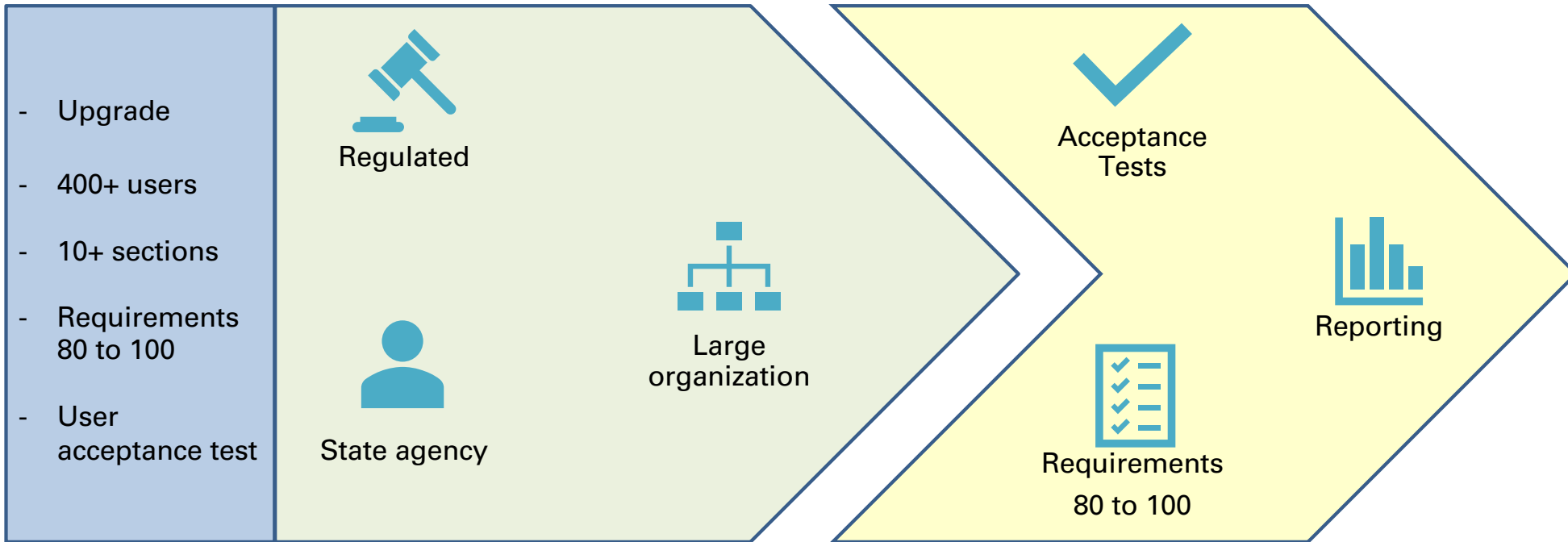
Integration points



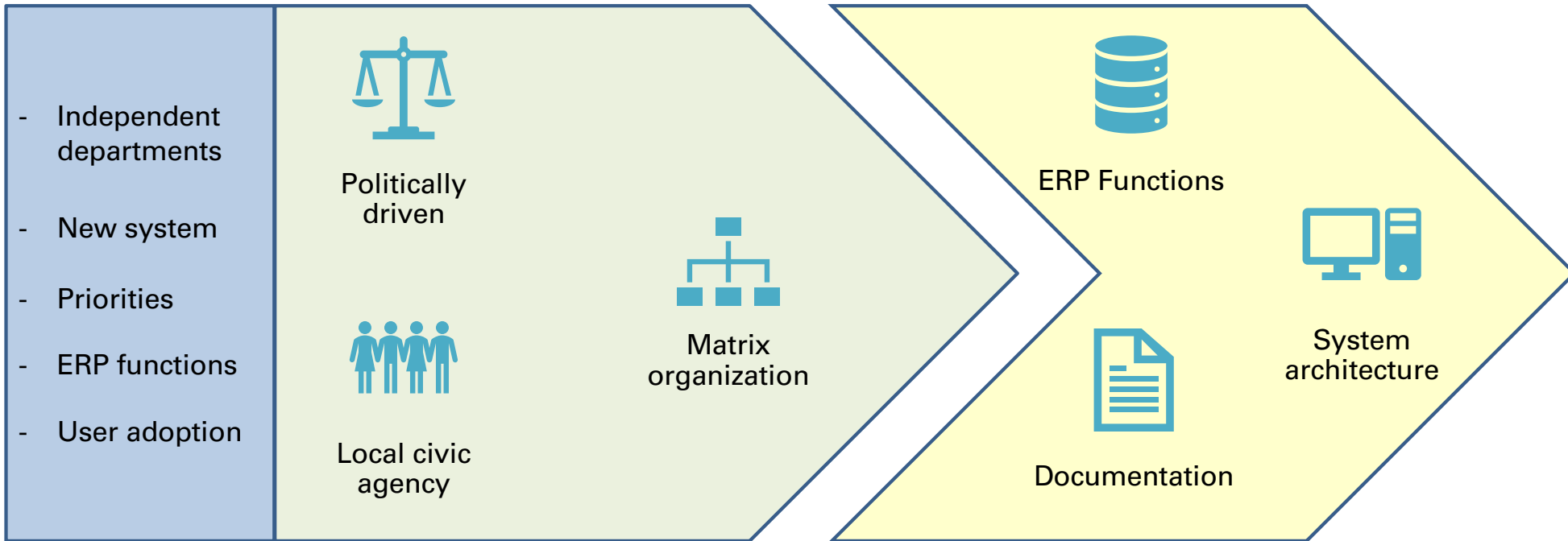
Reporting



Case Study | General



Case Study | Functional (Org)



Case Study | Functional / Technical



Lessons
Learned

Challenges

Prior to
implementation



Organizational alignment



Long term vision



Consultant selection



Deliverables



Lessons Learned

Recommendations

During the
implementation



Start with end in sight
(phases)



Acknowledge technology
risks



Training and Development



Questions?

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