

## Accenture

Optimizing Transit:  
Putting Your Asset  
Management System  
to Work for You



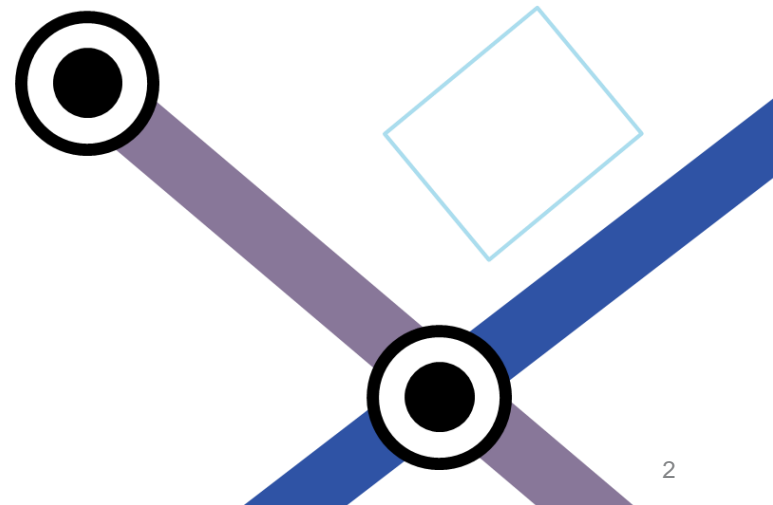
High performance. Delivered.

# Transit Asset Management (TAM) Challenges

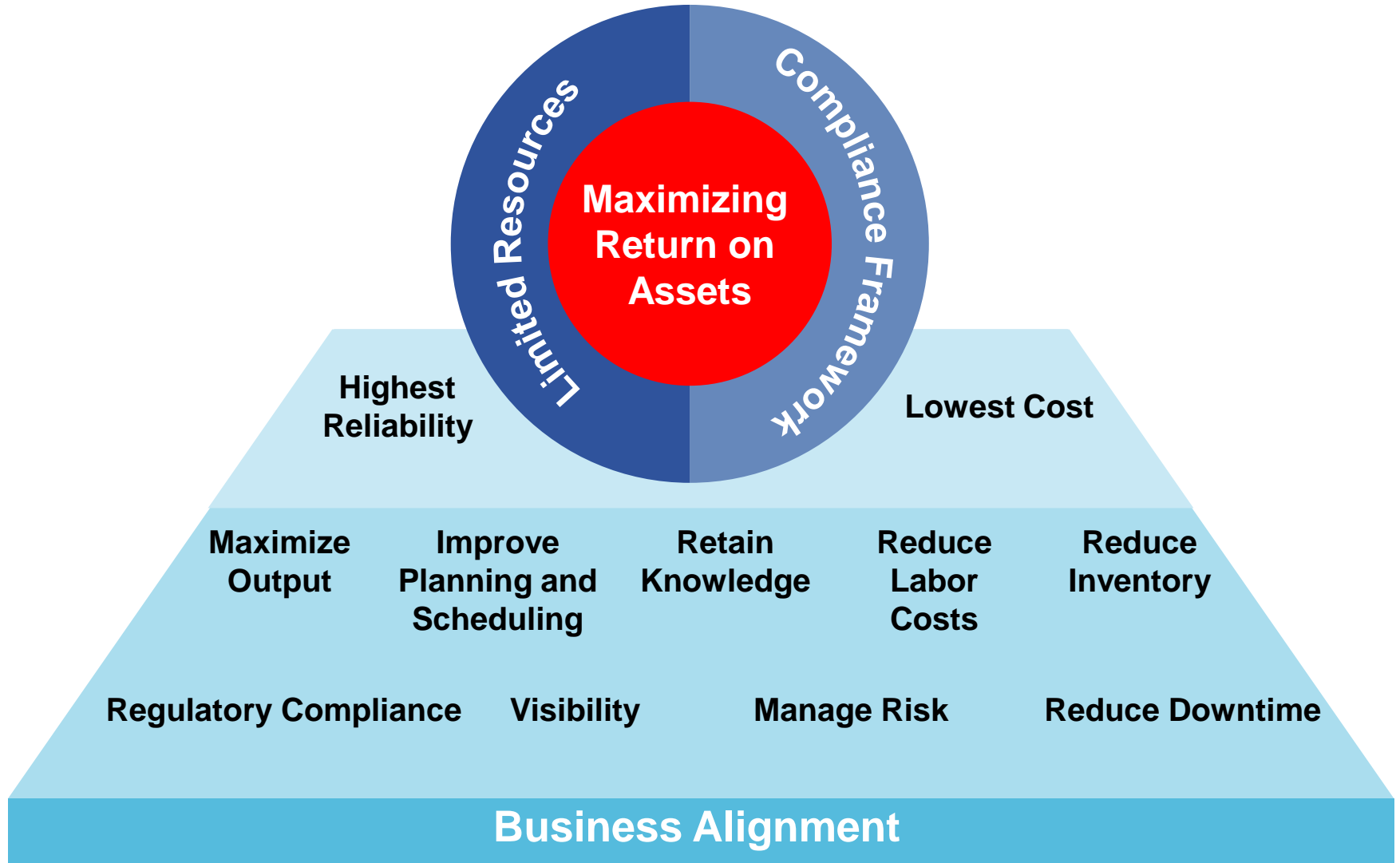
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The challenges impacting local agencies today are numerous

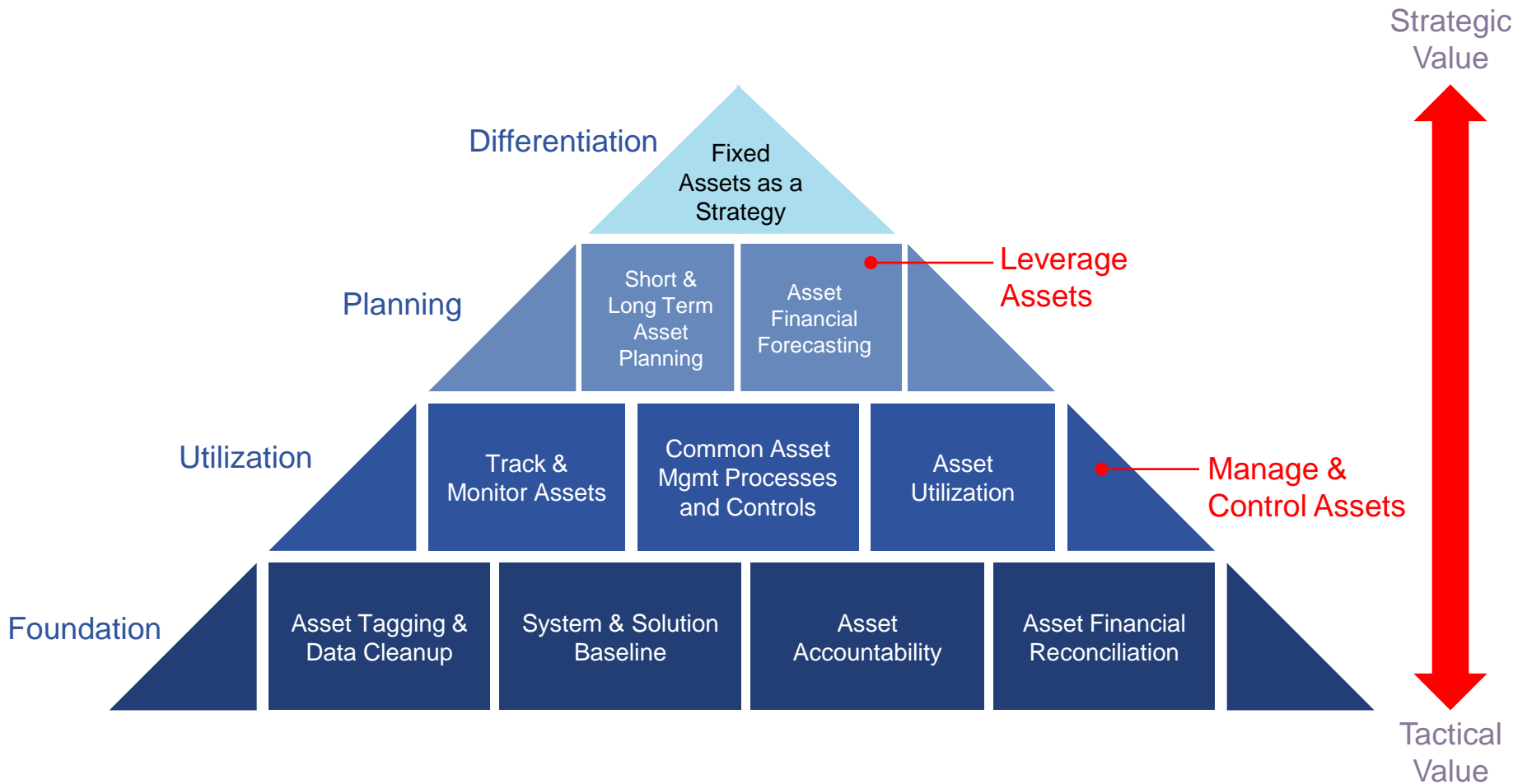
- Limited funding
- Increasing costs
- Limited asset visibility
- No single asset philosophy across the agency
- Knowledge drain
- State of Good Repair (SGR) requirements
- Regulatory compliance
- **Asset condition degrading service  
(Quality, Reliability, Availability, Safety)**



# Goals of Enterprise Asset Management

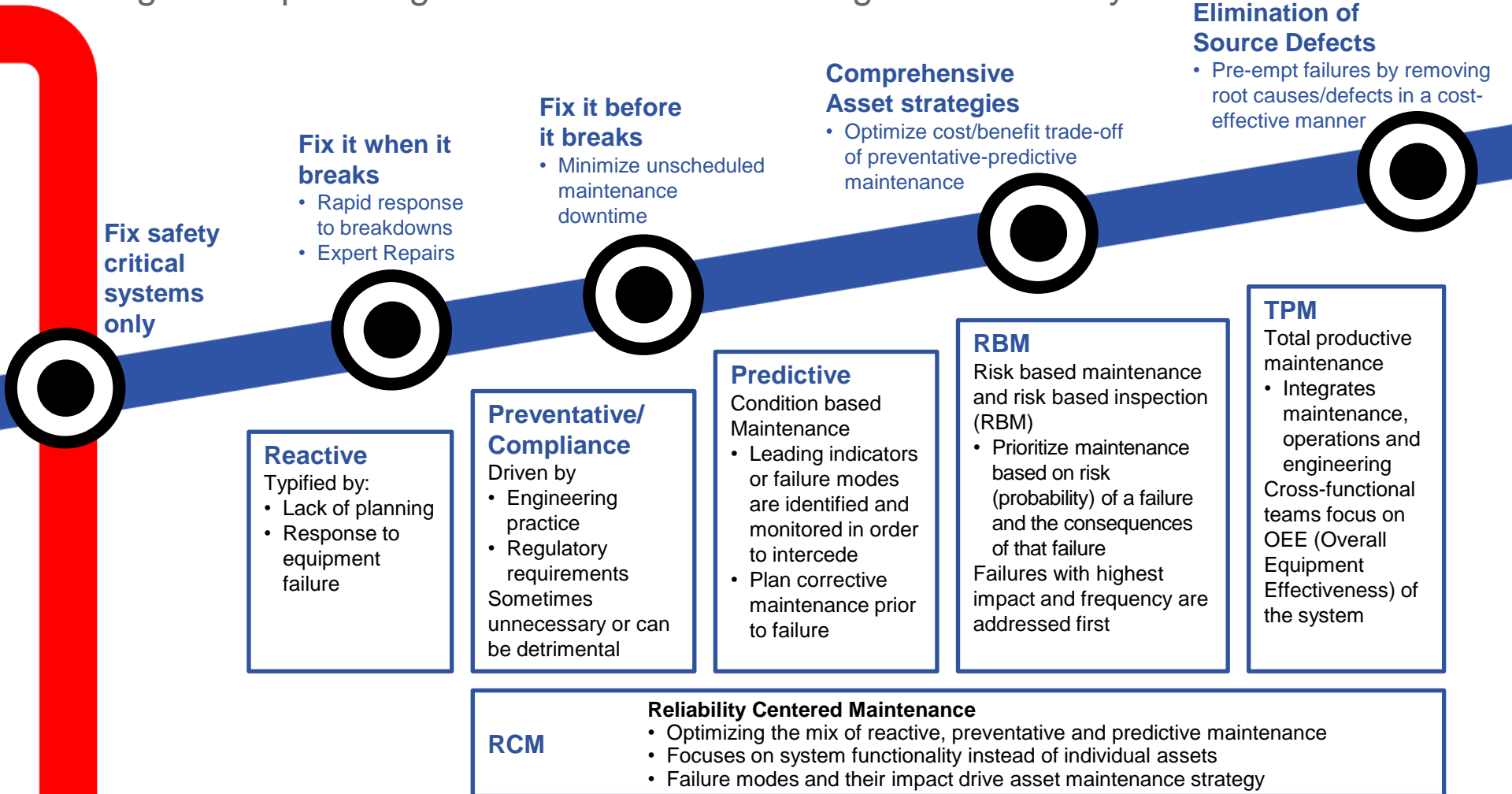


# Fixed Asset Management Maturity Model

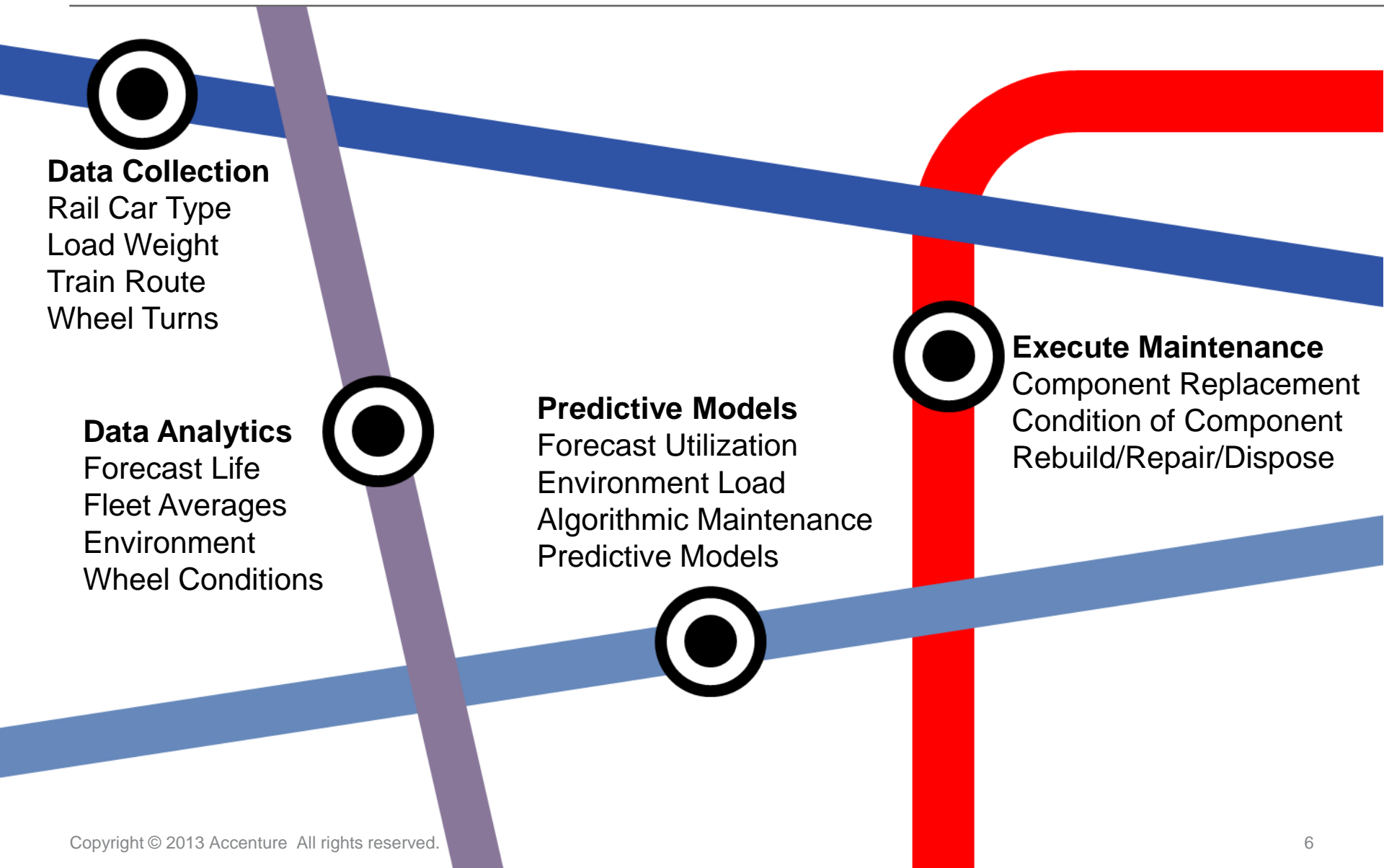


# Asset Maintenance Strategies

The processes and technology that track an organization's asset-related data with the goal of optimizing the value of assets throughout their lifecycle

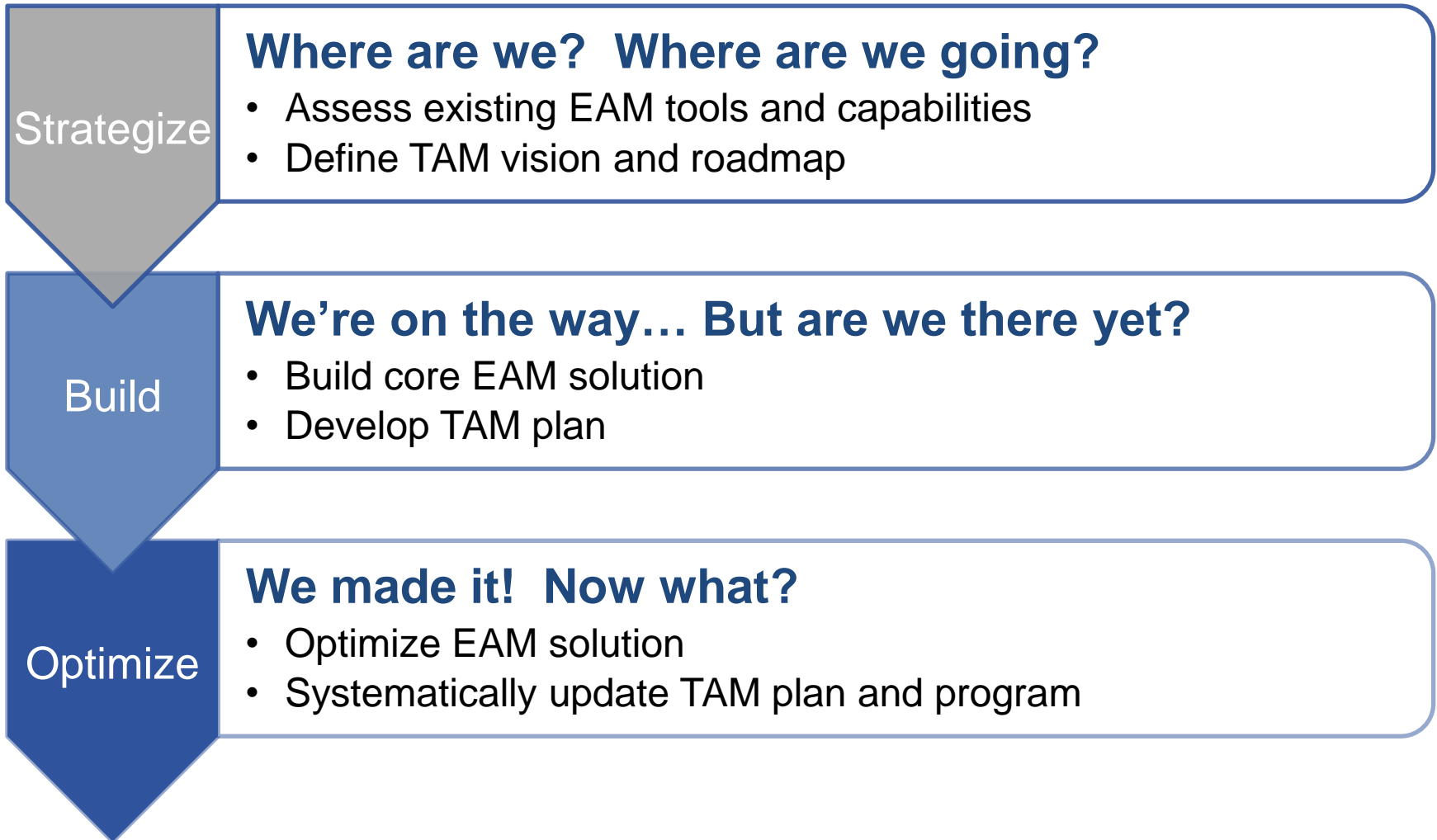


# Building a robust maintenance program requires data collection, data analytics and development of predictive models



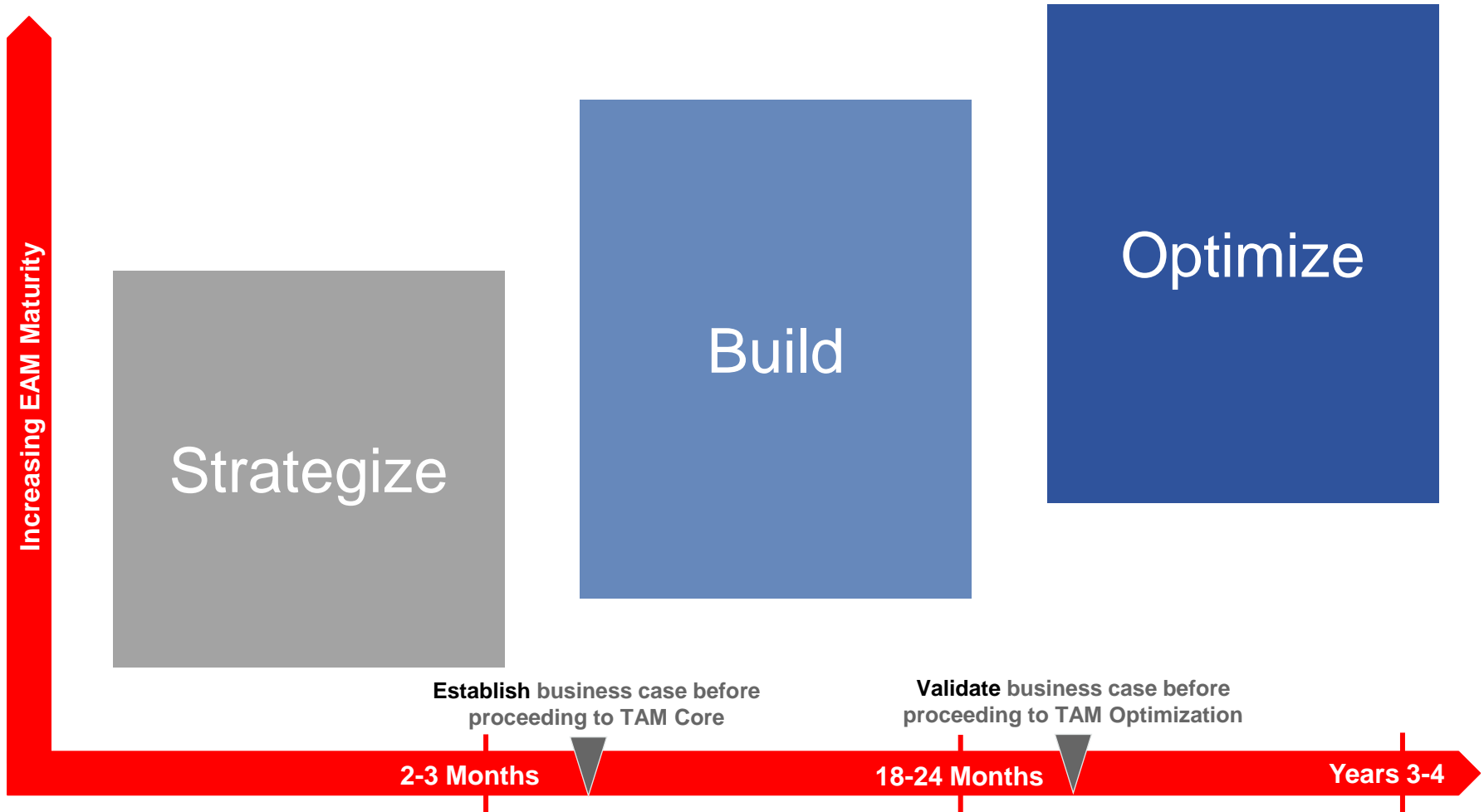
# Key Stages of the Journey

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# The TAM Journey to Optimization

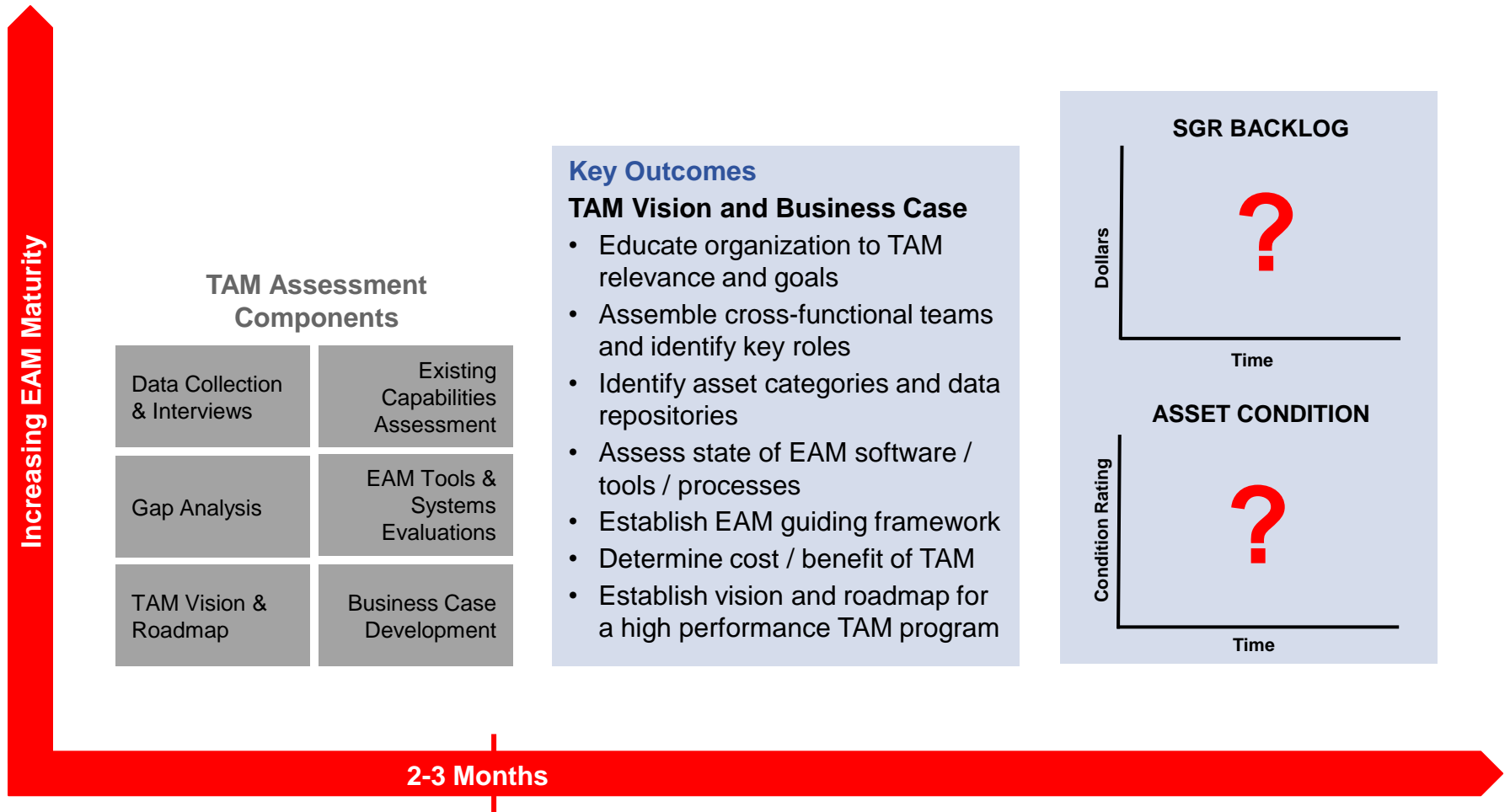
A three-phase progression toward increasing the agency's EAM maturity in order to improve quality of service, operate with efficiency and visibility, and meet FTA requirements.





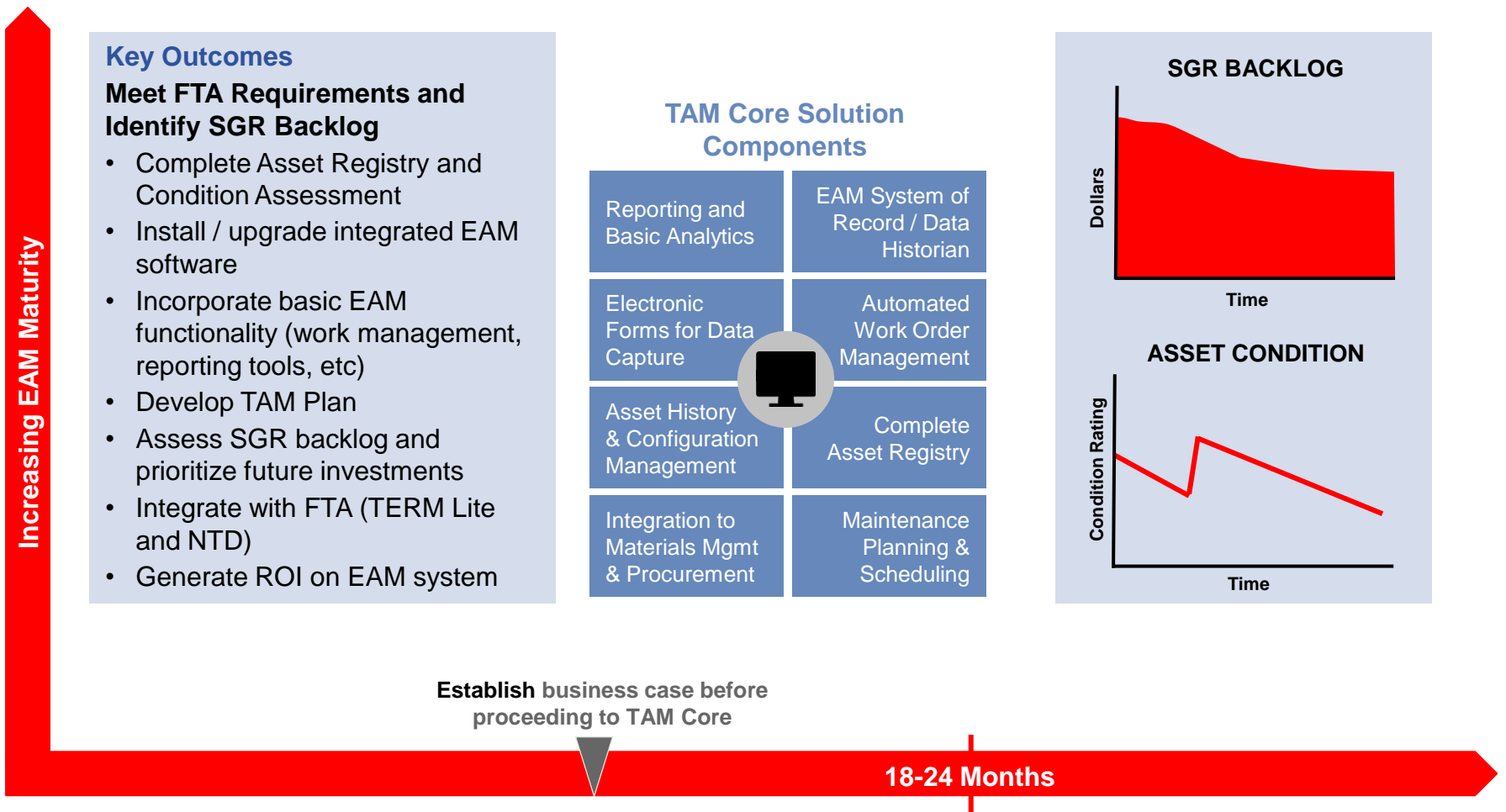
# Strategize: The TAM Assessment

The TAM Assessment is designed to assess existing EAM tools and capabilities and develop agency-wide vision and business case for the future TAM program.



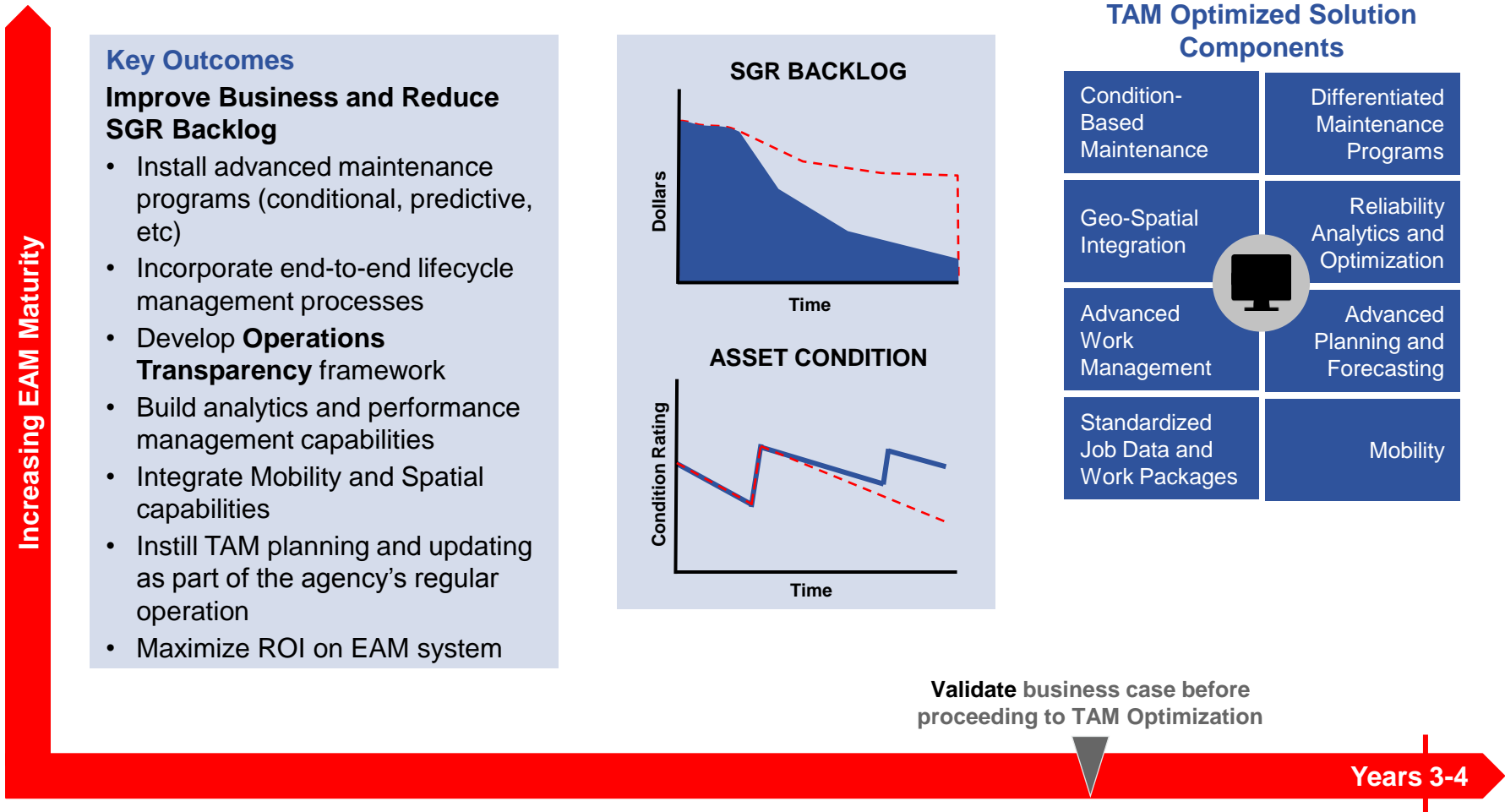
# Build: The TAM Core Solution

The TAM Core Solution will deliver fundamental capabilities and benefits from an integrated EAM system to meet the agency's basic needs and FTA requirements.



# Optimize: The TAM Optimized Solution

The TAM Optimized Solution is a set of investments to pursue after TAM Core has stabilized to improve the business and reduce SGR backlog.



# Transit Asset Management is a journey for the entire agency

Executive

ILLUSTRATIVE

- Establish vision, business objectives, and key performance indicators
- Initiate change management to embed TAM philosophy and processes across all departments

## Planning and Cap Projects

- Coordinate TAM plan
- Prioritize capital projects and programs
- Forecast future asset needs based on new projects and projected demand
- Calculate SGR backlog and report to FTA

## Procurement

- Procure for integrated replacement cycles
- Materials management
- OEM warranty management
- Specify asset data requirements for new purchases

## Operations & Maintenance

- Develop and maintain most asset registries
- Monitor and report on asset condition
- Operate assets safely and efficiently
- Execute and improve maintenance programs and work management

## IT

- System implementation of EAM software
- Integrate EAM with other systems (ERP, GIS, CPM, etc)
- Develop Analytics and BI capabilities

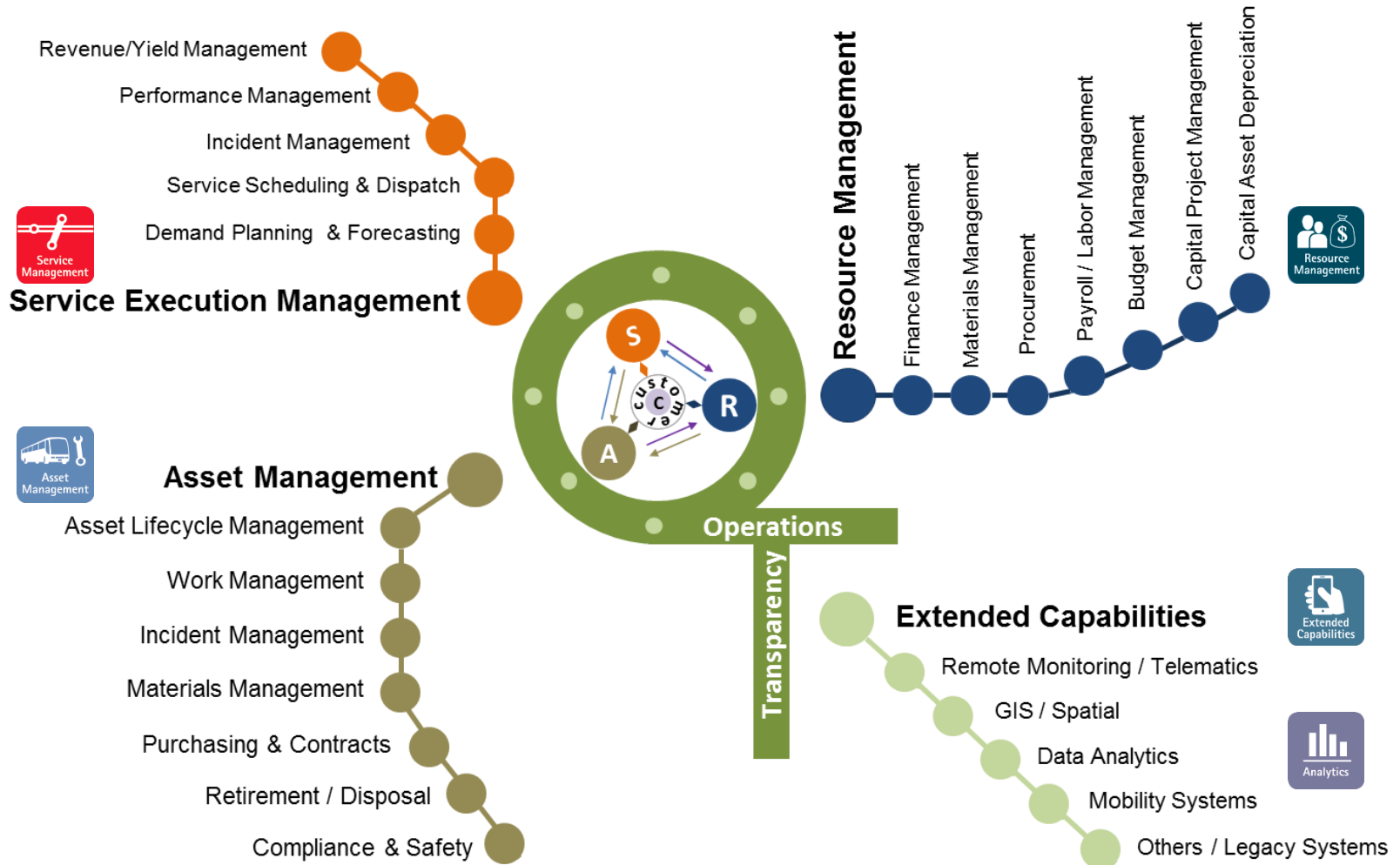
## Finance

- Develop and maintain asset financial data
- Determine near-term financial capacity for capital projects
- Forecast future funding scenarios and available cash flow for TAM

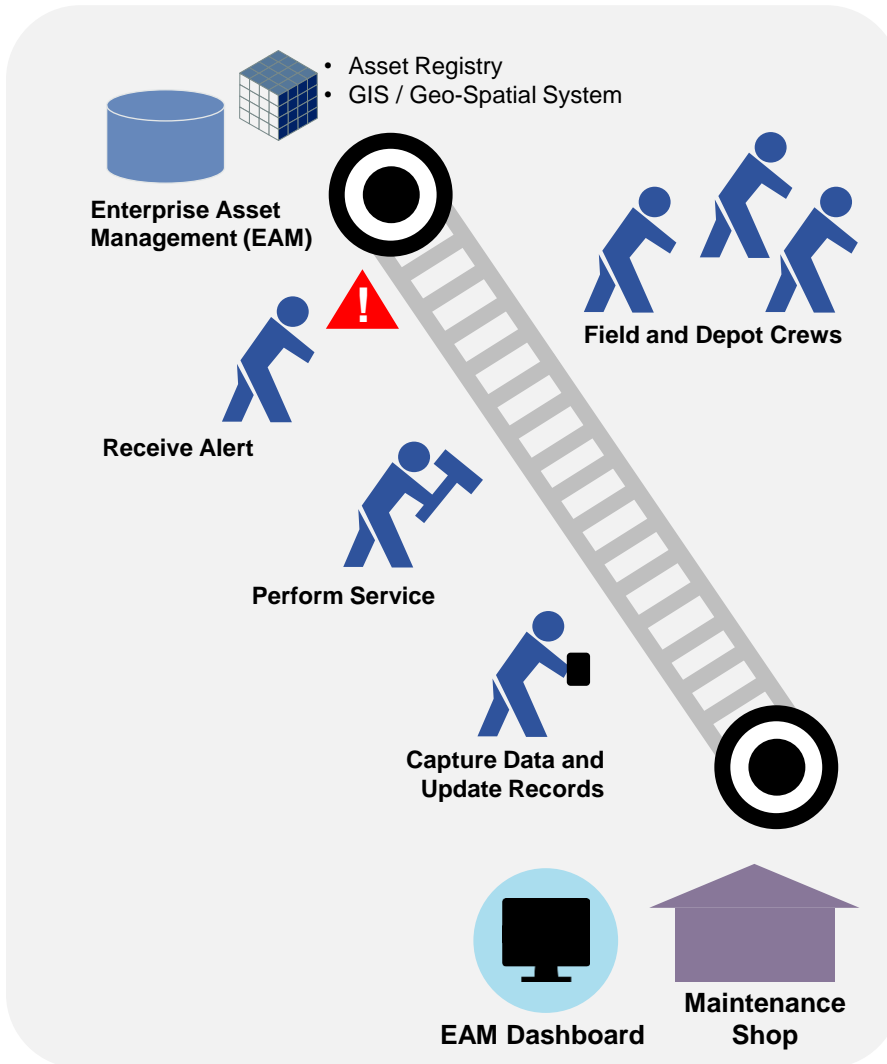
Cross-agency teams to collaborate on strategy, methods, tools, and data

# Operations Transparency (OT): A new kind of visibility for better decisions

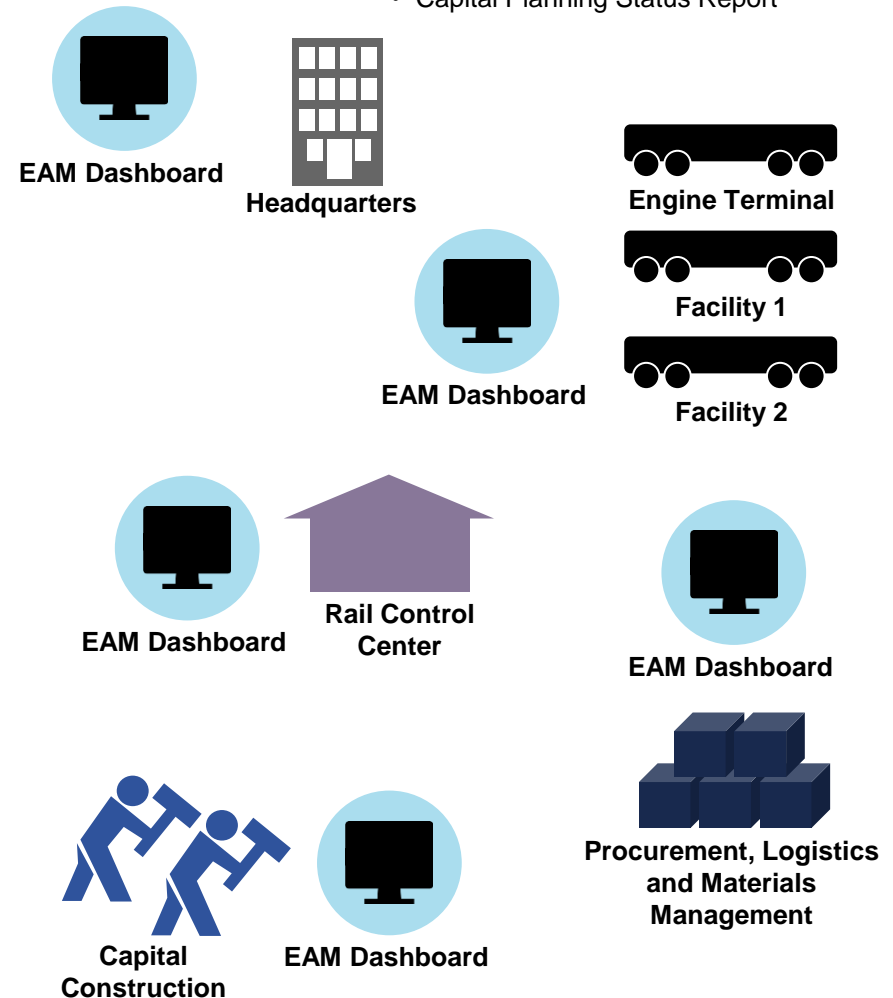
OT gives full real-time, contextual visibility across Service Execution Management, Asset Management and Resource Management systems integrated to extended capabilities.



# The Vision: How Will We Operate In the Future?

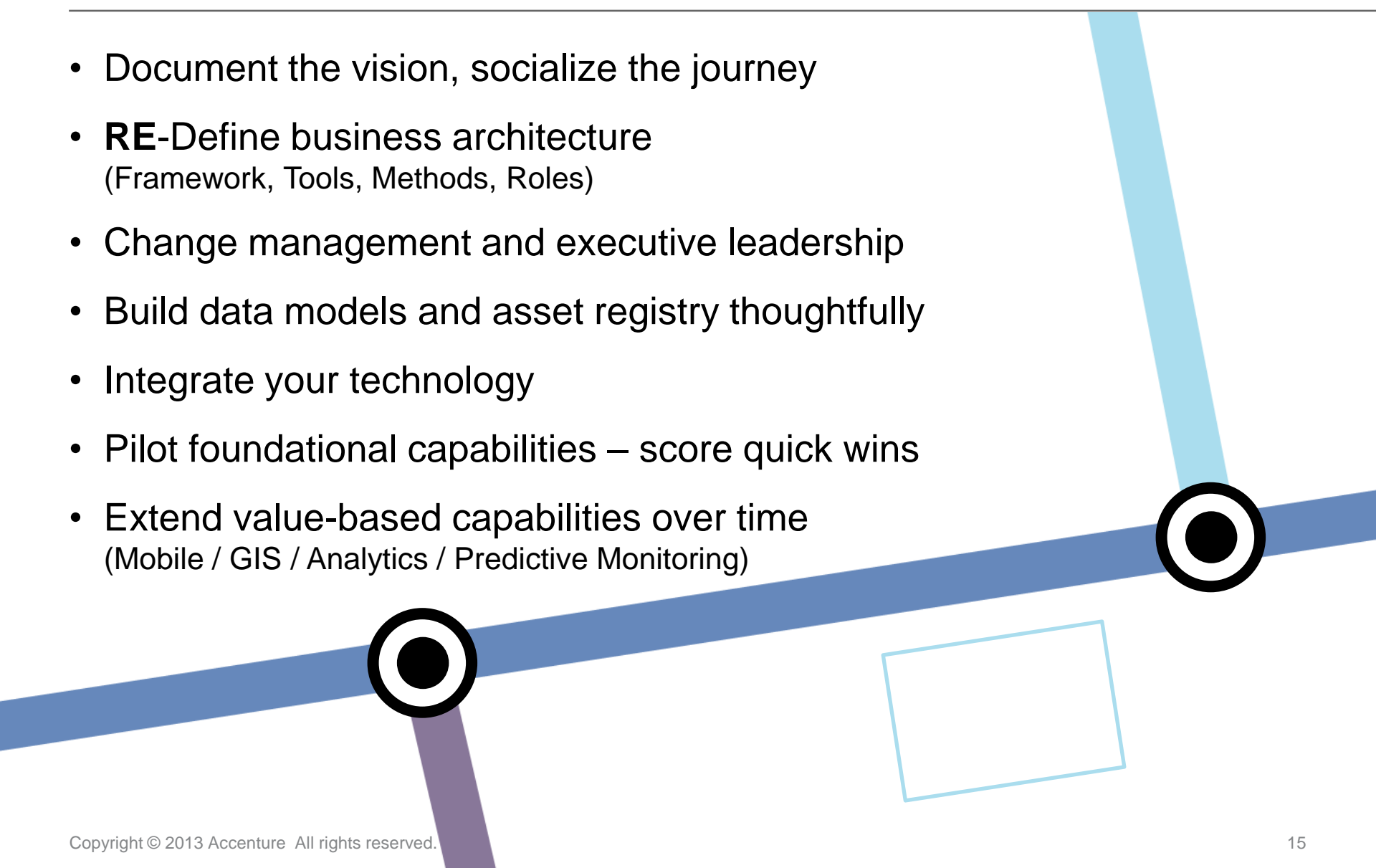


- 20 Year Forecast
- 5 Year Operating Budget
- Annual SGR backlog
- Transit Asset Management Plan
- Asset scorecard and KPIs
- Condition Asset Inventory
- Capital Planning Status Report



# Key Success Factors for the Journey

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- Document the vision, socialize the journey
  - **RE**-Define business architecture  
(Framework, Tools, Methods, Roles)
  - Change management and executive leadership
  - Build data models and asset registry thoughtfully
  - Integrate your technology
  - Pilot foundational capabilities – score quick wins
  - Extend value-based capabilities over time  
(Mobile / GIS / Analytics / Predictive Monitoring)
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# Final Thoughts

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- Don't sweat FTA requirements... and don't wait for FTA timelines
- Do sweat your deferred maintenance and SGR backlog... quality of service and bottom line suffer when you don't
- Optimize your TAM now because it helps your business
  - ✓ Improve performance: Quality, Reliability, Availability, Safety
  - ✓ Reduce costs and risks – *you can't buy your way into SGR*
  - ✓ Extend the useful life of your assets
  - ✓ Meet (and exceed) FTA requirements

