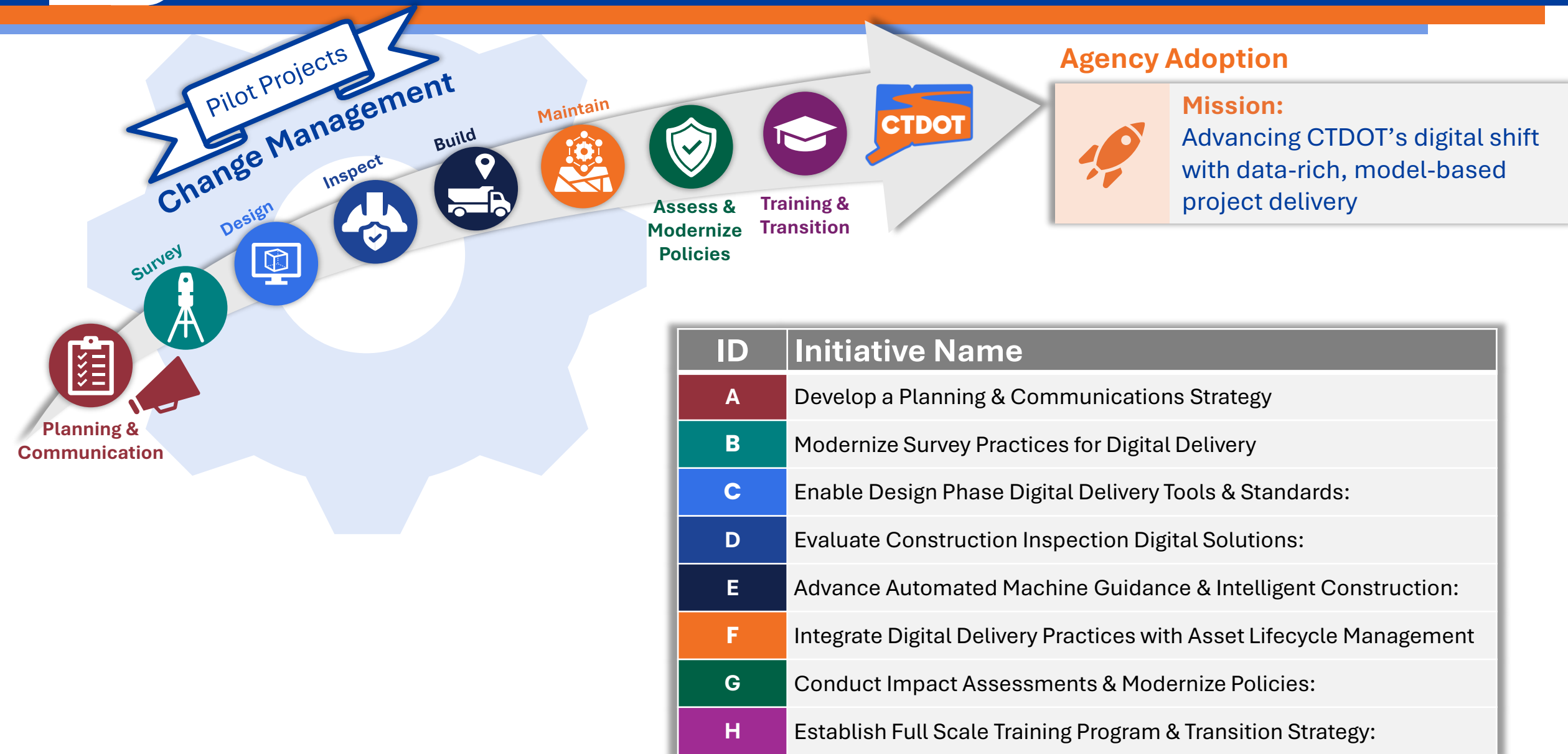


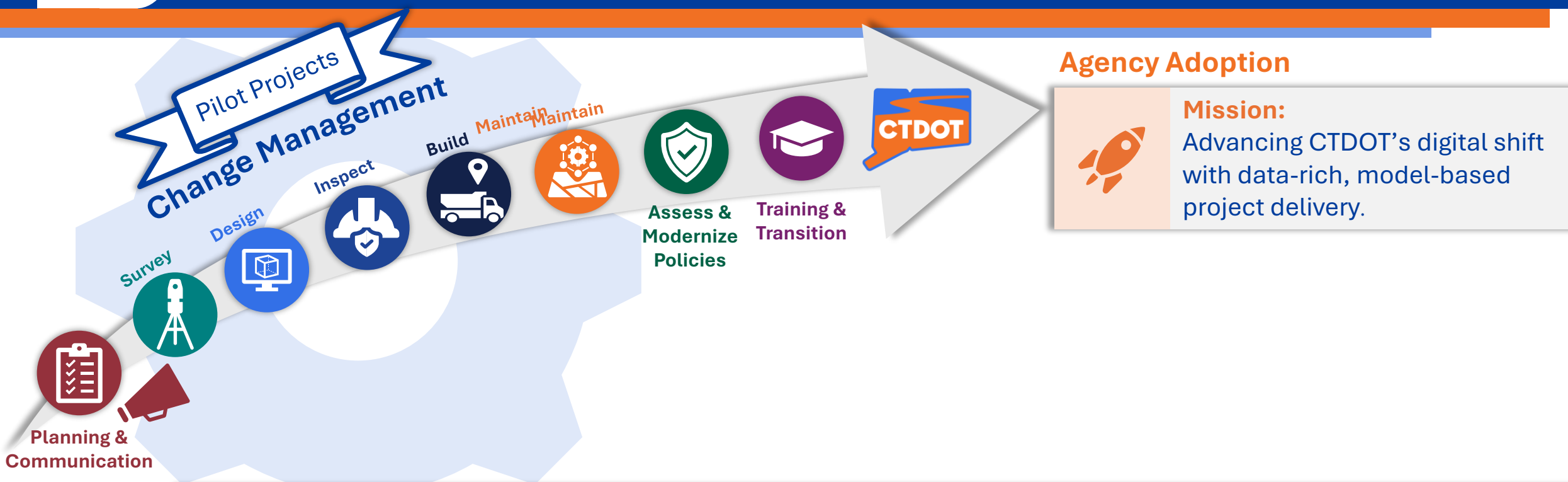


CTDOT Integrated Digital Delivery Implementation Overview





CTDOT Integrated Digital Delivery Implementation Overview



Establish Planning & Communications Strategy:

Benefits:

- Ensures clear roles, accountability, and decision-making to support **consistent adoption** across CTDOT
- Improves adoption and **reduces resistance** to change
- Ensures **consistent messaging** across the organization
- Increases **transparency** and stakeholder alignment
- Supports **workforce readiness** and confidence

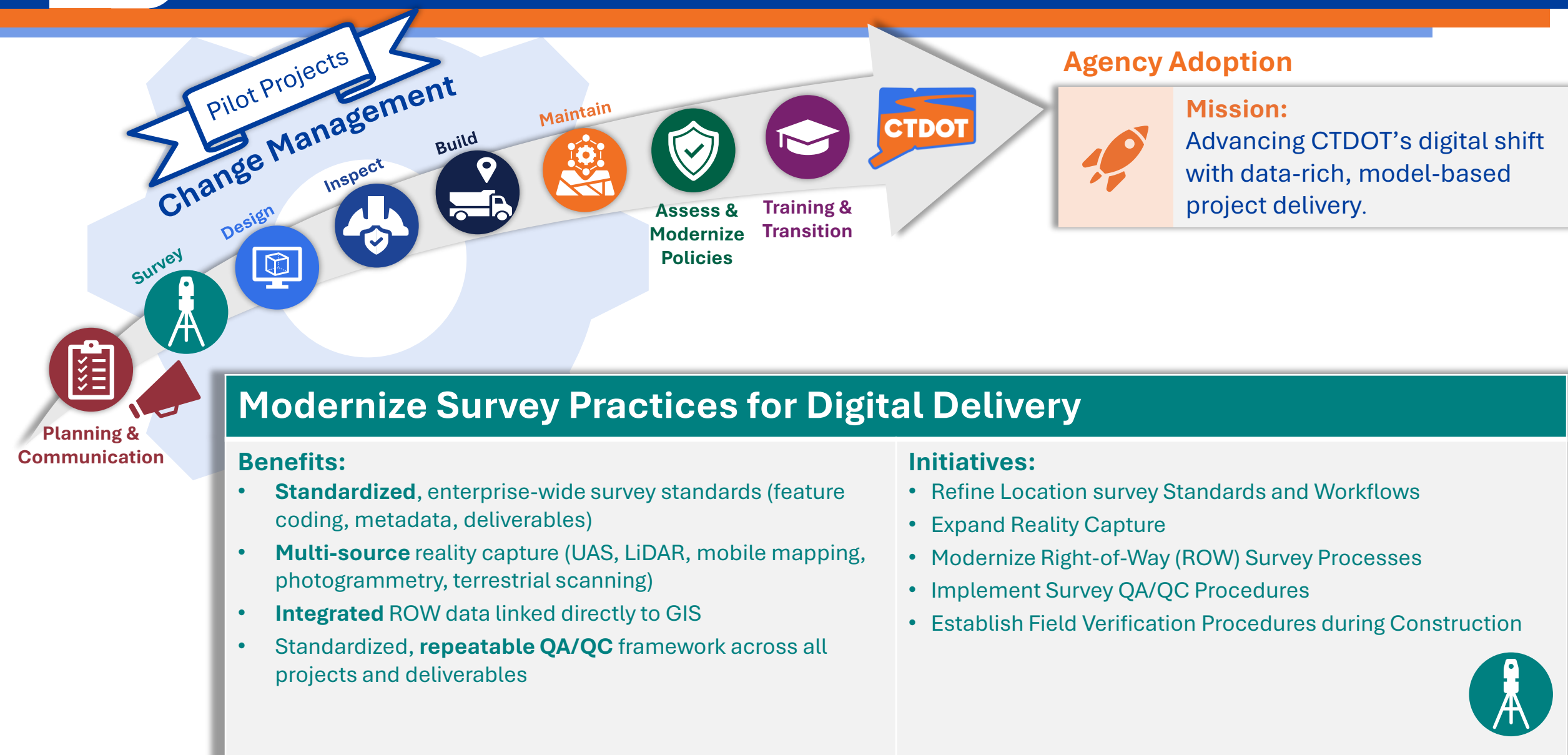
Establish:

- Work Groups
- Strategic Plan
- Implementation Plan
- Communications Summary
- Impact Assessment





CTDOT Integrated Digital Delivery Implementation Overview



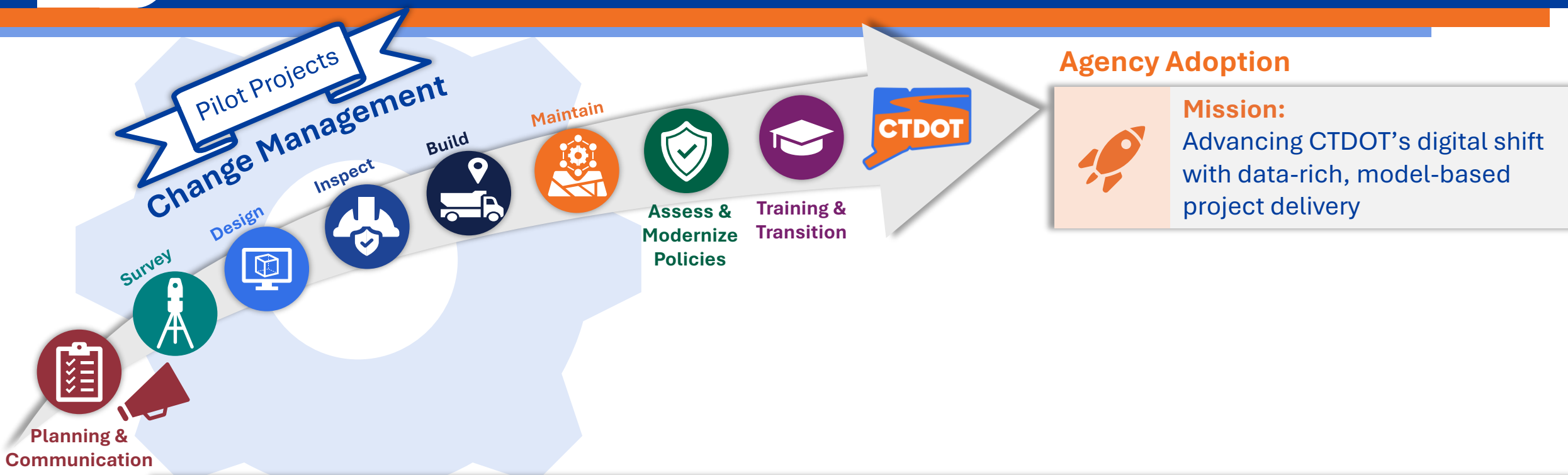


CTDOT Integrated Digital Delivery Implementation Overview





CTDOT Integrated Digital Delivery Implementation Overview



Evaluate Construction Inspection Digital Solutions

Benefits:

- **Improves communication** & collaboration with contractors
- **Reduction of errors** & omissions in construction documents
- **Increases safety** in field due innovative inspection methods
- **Visualizes construction** scheduling, phasing & staging opportunities

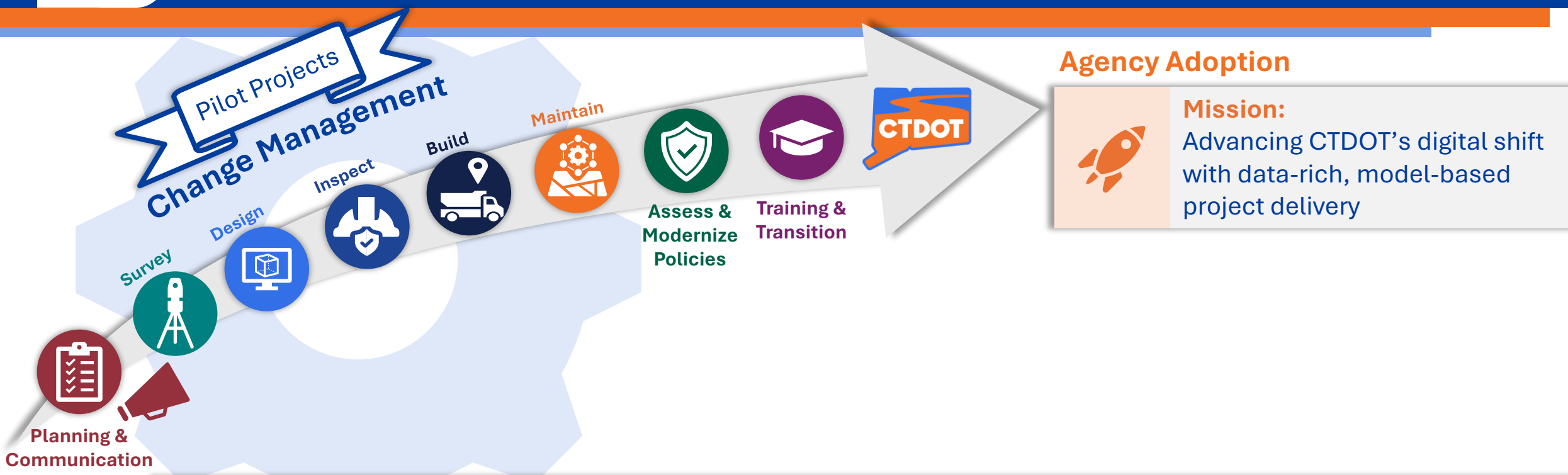
Initiatives:

- Identify Current Tools and Gaps
E-ticketing, daily reporting, & field data capture
- Evaluate Digital Delivery Tool Capabilities
Assess how emerging platforms can enhance inspection, field operations & as-builts.
- Pilot Strategies to feed the Digital Delivery ecosystem





CTDOT Integrated Digital Delivery Implementation Overview



Advance Automated Machine Guidance & Intelligent Construction

Benefits:

- **Improves communication** with inspection team
- **Automated Machine Guidance (AMG)** can easily integrate with design models
- **Reduces time** for estimating and bid preparation
- **Lower & more accurate bids** due to model deliverables
- **Increases safety** due to enhanced construction methods

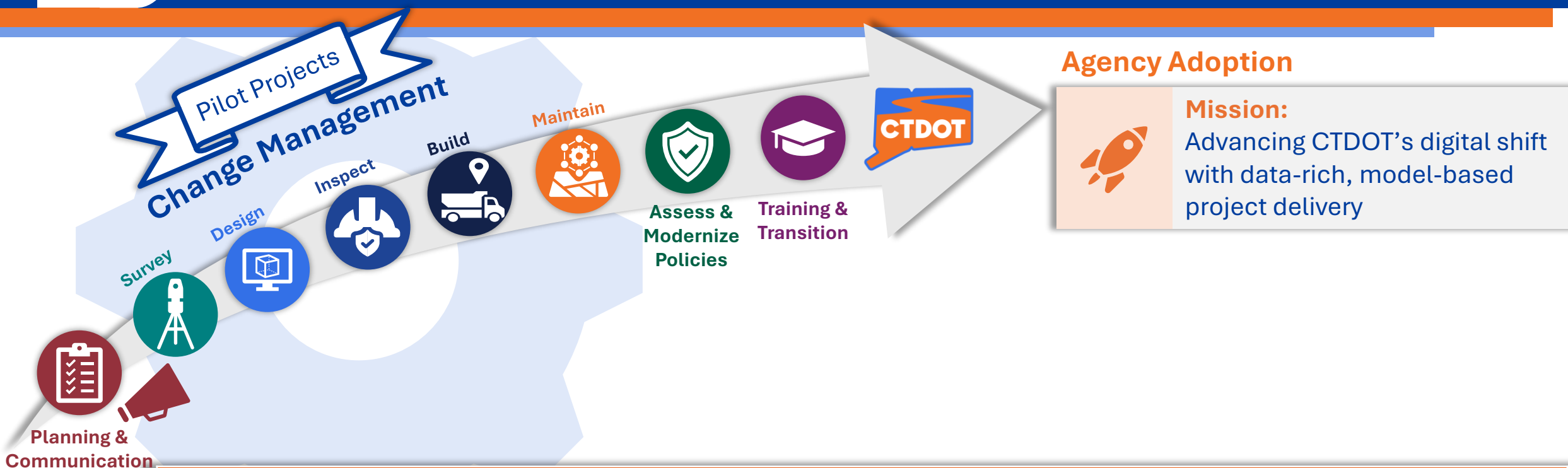
Initiatives:

- Engage construction stakeholders
 - Conduct industry roundtables with CTDOT construction staff, inspectors, leadership, & contractors
- Define Technical & Data Requirements
- Develop Construction-Phase Digital Tools





CTDOT Integrated Digital Delivery Implementation Overview



Integrate Digital Delivery Practices with Asset Lifecycle Management

Benefits:

- Improves consistency and **accuracy** of asset data.
- **Reduces duplicate data** entry and manual information transfer between systems.
- **Enhances coordination** between design, construction, operations, and maintenance teams.
- Supports **long-term asset management**, analytics, and Digital Twin initiatives through reliable lifecycle data.

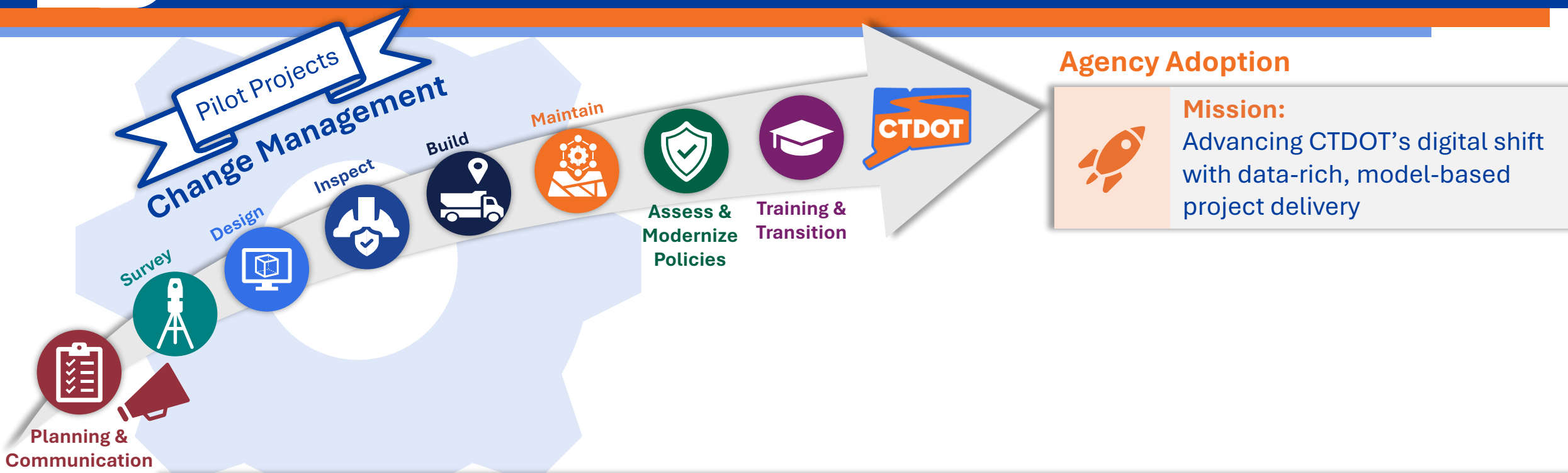
Initiatives:

- Define Asset Information Requirements & Data Standards
- Evaluate Integration Between Design, Construction, and Asset Management Systems
- Develop Digital Twin & Lifecycle Data Strategy





CTDOT Integrated Digital Delivery Implementation Overview



Conduct Impact Assessments & Modernize Policies:

Benefits:

- Identifies gaps, risks, and opportunities to guide implementation
- **Reduces ambiguity** in requirements for models and data deliverables
- Improves **consistency** and quality across projects
- Establishes a foundation for **long-term scalability** and program sustainability

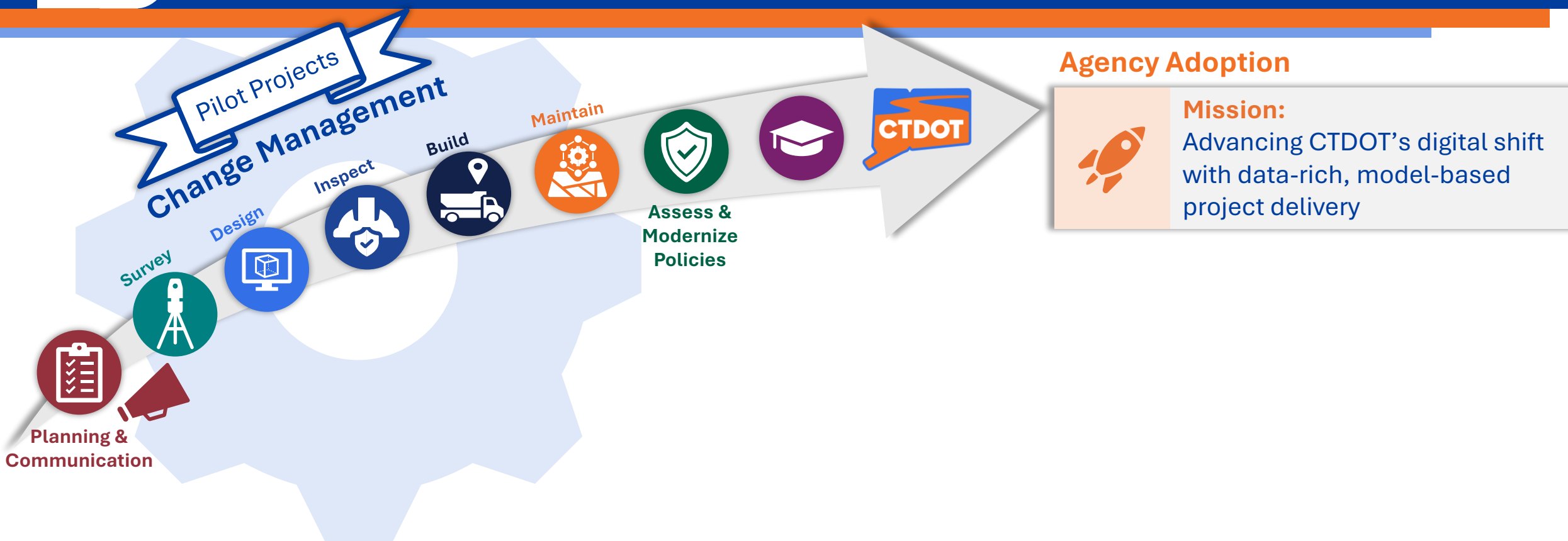
Initiatives:

- Perform organizational impact assessments
- Analyze and document findings
- Develop targeted implementation plans
- Identify policy and standards gaps
- Develop standardized policies and procedures
- Improve data sharing and integration





CTDOT Integrated Digital Delivery Implementation Overview



Establish Training Program & Transition Strategy

Benefits:

- Increases productivity & process **efficiencies**
- Improves **knowledge** of policy and goals
- Creates a **feedback** loop for user input
- Improves standardization and alignment across the Department

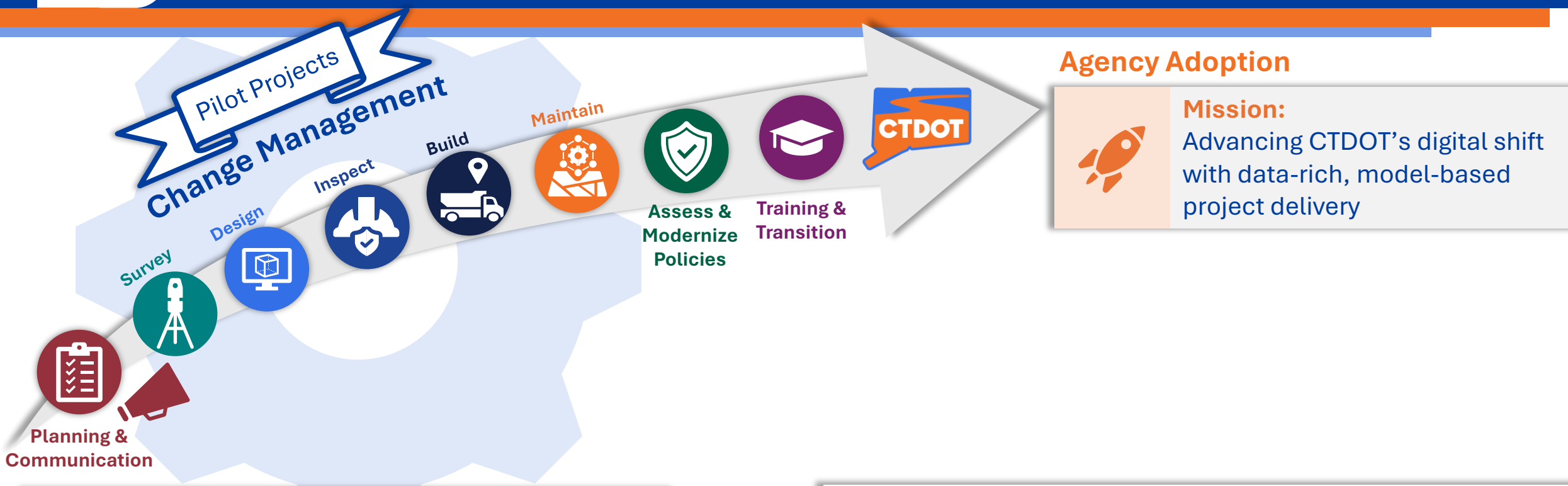
Initiatives:

- Assess impacts to roles and responsibilities
- Evaluate staffing and training needs
- Develop external workforce partnerships





CTDOT Integrated Digital Delivery Implementation Overview



Align with Agency Goals:

Leverage INNOVATION to operate a safe, well-functioning transportation system

- Procure & Implement a New Asset Management/Maintenance Management Software
- Formalize Data Governance
- Conduct Ongoing Change Management Activities



IDD Program Adoption

Achieve Program Goals

- Goal 1:** Embed Digital Delivery into Business Operations
- Goal 2:** Standardize Processes, Technology, and Data
- Goal 3:** Manage and Leverage Lifecycle Data for Better Decision-Making
- Goal 4:** Develop a Digitally Ready and Connected Workforce
- Goal 5:** Advance Innovation Through Collaboration