Pennsylvania Turnpike Commission
America’s 1st Super Highway; Enterprise Enabled

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Pennsylvania Turnpike Commission
America’s First Superhighway

Timeline

2015
- Established GIS
- Contracted Resources
- Posted GIS Manager Position
- Dedicated funding to GIS efforts

Mid-2016
- Hired GIS Manager
- Several Apps Initiated
- Foundation IT infrastructure established

Feb 2016
- Initiated GIS
- Contracted Resources
- Posted GIS Manager Position
- Dedicated funding to GIS efforts

Mid-2016
- Smart Map launched through Intranet site
- Several POC/Pilots conducted
  - AVL
  - Qlik
  - Weather
  - Areas of Concern (P3)

Dec-2016
- Initiated contracted PM for GIS Program
- Focus on organization and process

2017
- Early-2017
  - Focus on vendor Mgmt for GIS Program
  - Refined reporting and accountability for consultants
  - Innovation Summit with GIS SW vendor

Late-2017
- Leverage Innovation and strategic planning GIS/BIDA Programs to benefit all PTC Business units

GeoAnalytics
- 2017→
We will establish ourselves as a **Resource Provider**
in the development and delivery of innovative, scaleable, and cost-effective **GeoAnalytic** services and solutions that support PTC's mission.
PTC Mission, Vision, Values

Mission

 To operate a safe, reliable, customer-valued toll road system that supports national mobility and commerce.

Vision

 In serving our customers, we will reaffirm ourselves as the world’s finest superhighway by:
  • Fulfilling our public responsibility to provide a safe, sustainable, uninterrupted travel experience
  • Becoming an industry leader, a valued business partner and a trusted employer

VALUES

COMMUNICATION
We strive to foster continuous communication with our employees, customers, legislators, stakeholders and business partners.

CUSTOMER SERVICE
We maintain the highest level of quality service with a focus on safety, dependability and mobility.

DIVERSITY
We provide equal opportunity for all employees and business partners.

INNOVATION
We foster a visionary atmosphere to maintain our role as an industry leader.

INTEGRITY
We conduct ourselves transparently, responsibly, ethically and honestly to earn the public’s trust every day.

PROFESSIONALISM
We create a work environment where employees are empowered to take ownership of their work and provide excellence in public service.

SAFETY
We care deeply about the safety of our employees, customers and business partners.

STEWARDSHIP
We respect current and future generations by using cost-effective strategies that meet today’s challenges while safeguarding our resources, our finances and our environment for tomorrow.

TEAMWORK
We promote respect and collaboration among all team members to ensure effective and efficient quality service for our customers.
This represents change requiring executive support.
Business System Integration

Web services communicate the last synchronization date

Web services communicate route and measure changes to business records

Rules define how events are updated

All edit activities are time stamped and stored

Real time and temporal view of business data in the GIS

Features are dynamically generated from business systems
Autonomous Automated Vehicle
Operates in isolation from other vehicles using internal sensors

Connected Vehicle
Communicates with nearby vehicles and infrastructure

Connected Automated Vehicle
Leverages autonomous automated and connected vehicles
Thank you for attending

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