

DATA COMPARISON CENTER

PROBLEM STATEMENT



The Fire Service has been slow to adopt data driven decision making

- PSOs collect large amounts of data but are limited in control and application of data
- Data and systems are single function/single jurisdiction
- Over-reliance on consultant-based, manual analysis
- Lack of a master data set of real-world data
- Limited and slow adoption of analytical tools such as big data and predictive analytics

OBJECTIVES

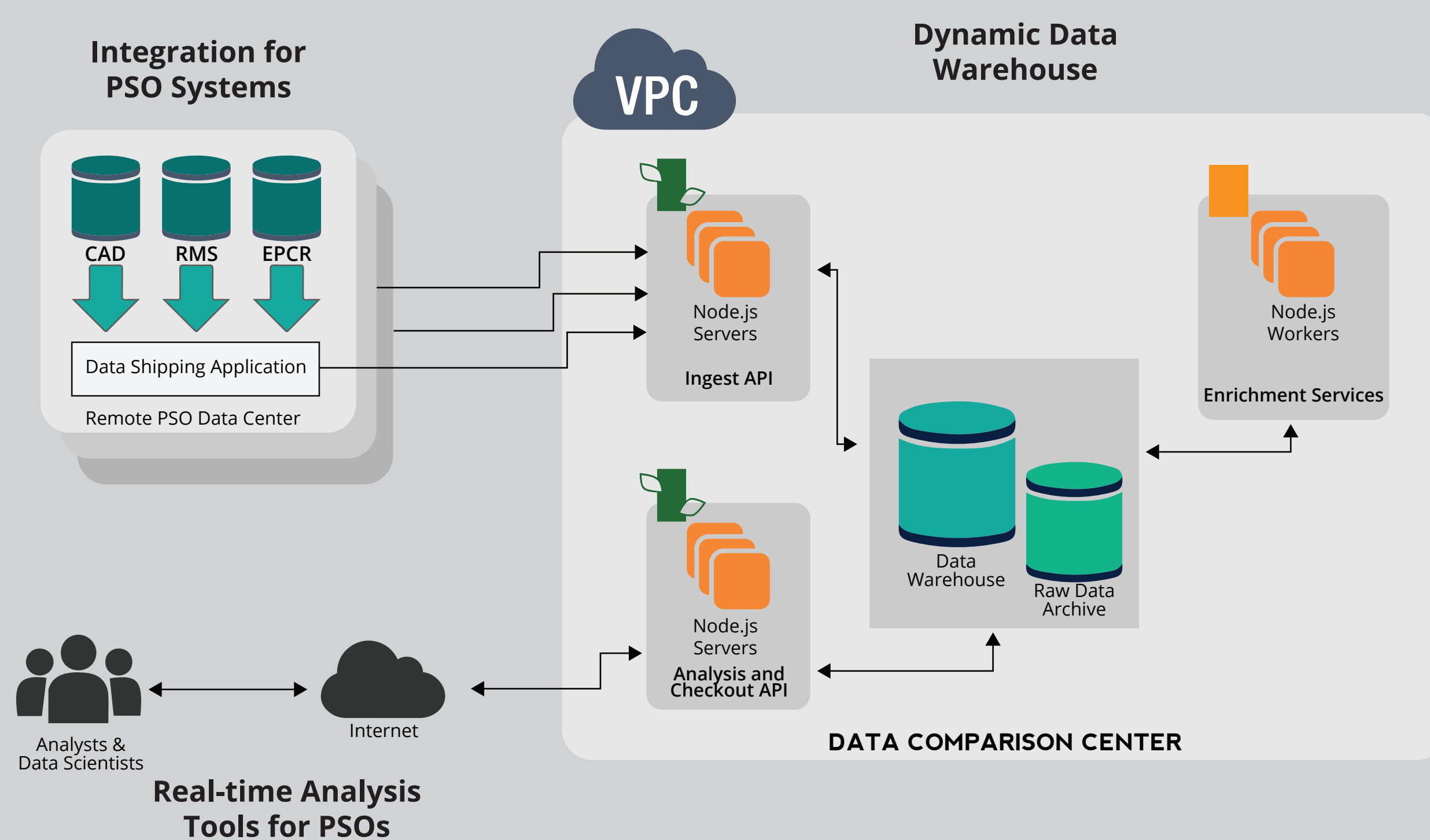
1 Provide near real-time analytic tools to 26 Public Safety Orgs.

2 Create a "live" dynamic master data set

3 Provide data tools and frameworks to PSOs, industry and academia

4 Create a community of mentor departments

APPROACH



The Western Fire Chiefs Association, and Intterra, in partnership with Public Safety Organizations from the WFCFA, will develop, deploy, and manage both a framework to integrate disparate PSO systems with real-time analysis and a Data Comparison Center (DCC) which will provide participating PSOs, PSCR, the fire service, and academia with a dynamic, expanding warehouse of fire service response and outcome data (see figure above). The combination of DCC and an integrated data framework will provide comparative analytics and analysis to support near-term and long-term improvements in fire response, as well as real-time decision making tools.

MILESTONES

Year 1

- Onboard New PSOs
- Ingest data into DCC
- DCC 'Data Checkout' API
- Year 1 Comparative Metrics Deployment
- Year 1 Visioning Summit

Year 2

- Onboard Additional PSOs
- Year 2 Comparative Metrics Deployment
- Year 2 Visioning Summit

IMPACT

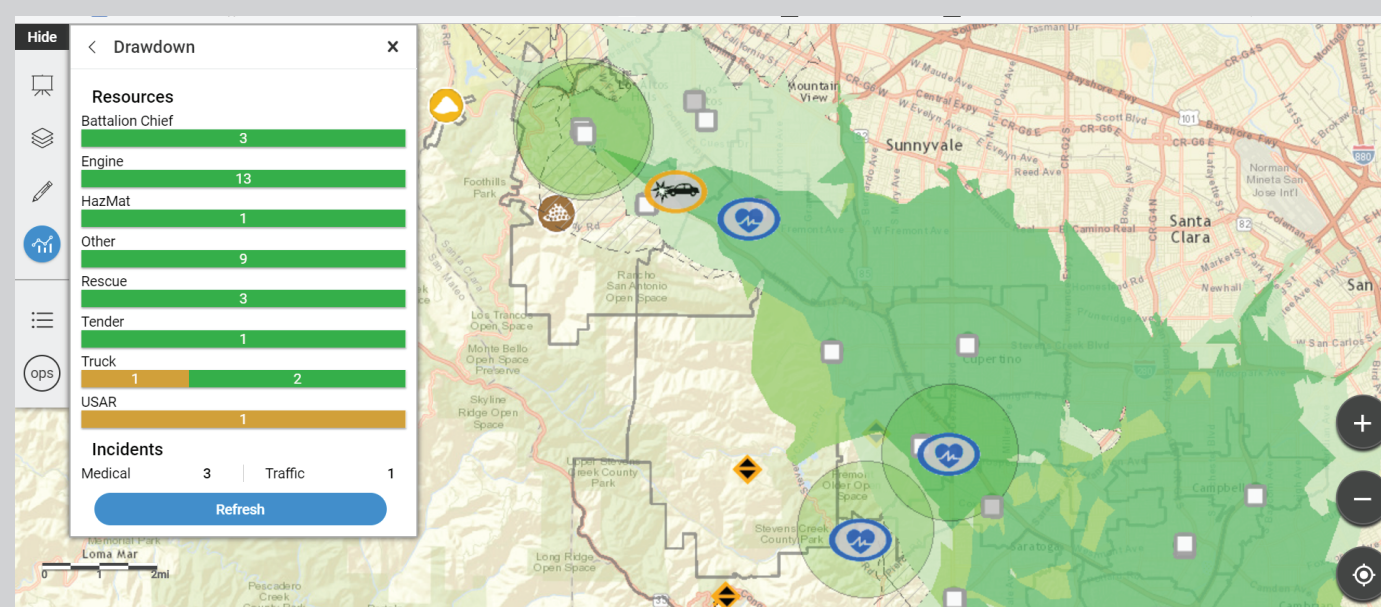
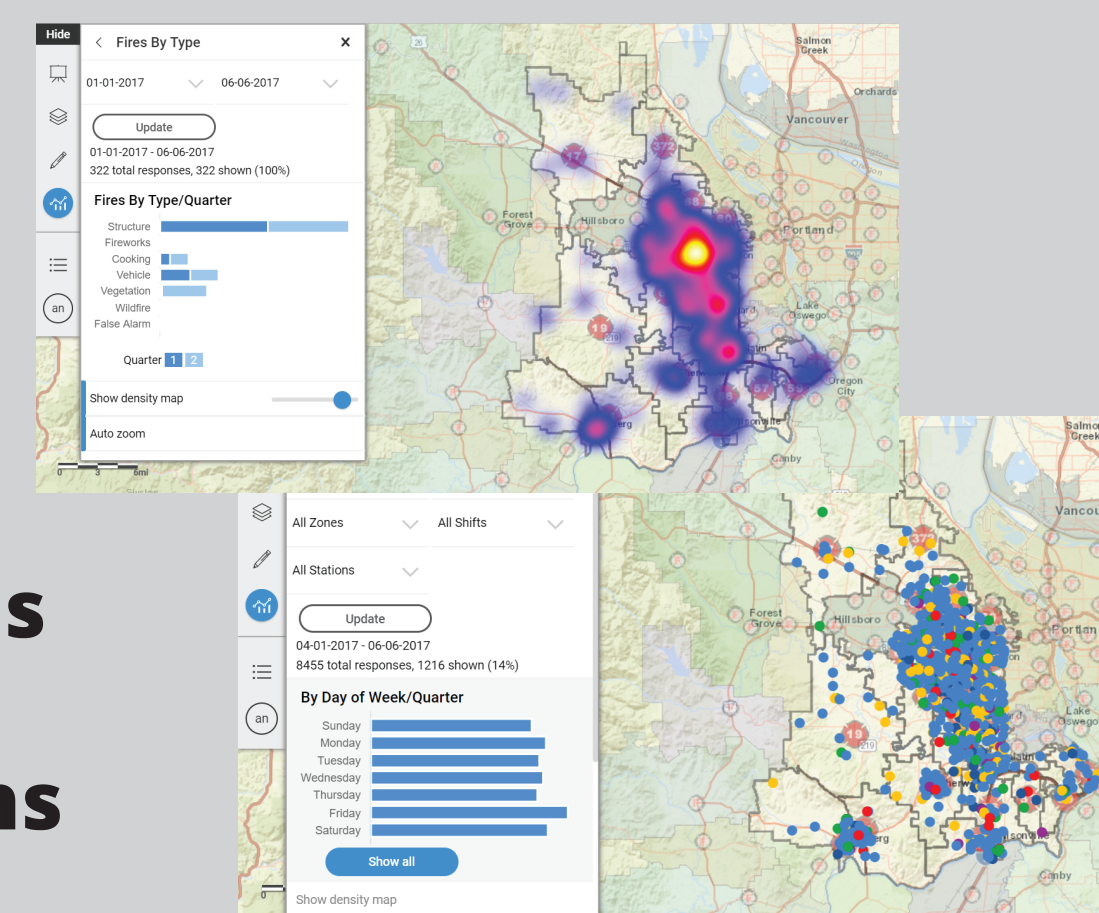
PSOs get capability on Day 1

- Situational Awareness
- Performance Assessment
- Response Planning and Execution

Improved joint operations across PSOs

Community-wide data driven decisions

- Expanding cadre PSOs
- Wider access for research and analysis



INTTERRA

