

#### Customer:

Large Mechanical Contractor with regional offices in multiple states in USA

#### Customer Size:

Over 1,000 employees

#### Country or Region:

USA in 41 States

#### Industry:

Mechanical construction and engineering

#### Customer Profile:

Large mechanical contractor with annual revenue \$250,000,000+

#### Services:

Data Collection & Acquisition Tools (DCAT<sup>®</sup>) PDA Mobile Forms  
Safety site inspections

## DCAT<sup>®</sup> PDA MOBILE FORMS – SAFETY INSPECTIONS

### Situation

Client has Regional Safety Inspectors and Site Superintendents that conduct construction safety inspections on 100+ jobs. The site level safety inspections are conducted daily with periodic inspection by the Regional Safety Inspectors.

The inspections are completed on paper forms, signed, and faxed to a national processing center with three (3) data entry clerks for data scrubbing and keying into a centralized safety tracking database. The safety inspection forms are then faxed to the appropriate job site staff for action.

### Actions

A Data Collection & Acquisition Tools (DCAT<sup>®</sup>) PDA Mobile Solution was developed for the Safety Inspections. Deployment of the Mobile Forms in two phases: 1) stand alone Mobile Form (email / fax) to validate functionality, and 2) XML transfer of Mobile Form data into their safety tracking database.

An investigation of other mobile safety solutions were investigated; all were much more costly and were limited to the mobile forms in the solution set whereas the DCAT had unlimited forms capabilities.

### Results

Deployment results in an immediate reassignment of 2 of the 3 data entry clerks; the third to remain to oversee data integration, performed the various reporting function, and with added safety analytics functions. The estimated annualized labor cost reduction, fully burdened, ~\$96,000. The cost of the phase 2 DCAT Safety inspection deployment first year ~\$23,900 and annually thereafter ~\$18,900. Moreover, the dispatch of the completed safety inspections are now sent instantly – no lag for follow action(s).

### Scorecard

**Labor cost reduction ~\$96,000.**

Year 1 Cost DCAT (21 Inspectors) + Integration Cost - **\$23,900**

Year 1 ROI = 417%, Simple Payback – 2.95 months

Stabilized annual cost for national deployment to safety inspectors \$18,900 with an annual cost reduction of \$96,000, annual reduction of **\$71,100. ROI (Post Year 1) = 508%**

For more information about other

**RD<sup>3</sup> Mobile Solutions**

success, please visit:

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