



PROMAT®

2015

McCormick Place South | Chicago
March 23-26, 2015
promatshow.com

Managing Lift Truck Power – Say No to Data, Say Yes to A.I.

Sponsored by:

EnerSys®

Power/Full Solutions

Presented by:

Lynda Stephens

Joe Roberts

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FIND WHAT'S NEXT.



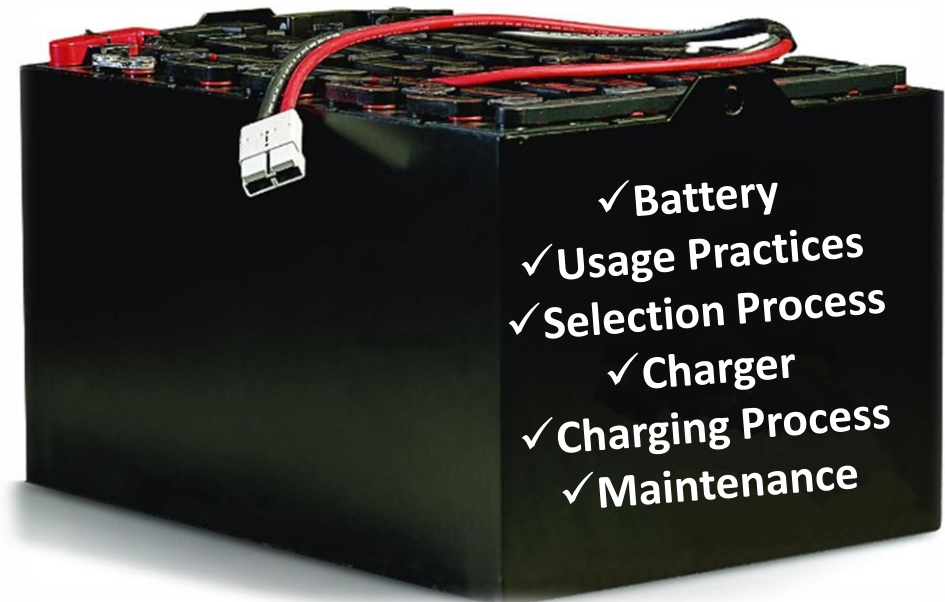
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Your lift truck Power program affects:

- Operations cost
- Productivity
- Safety



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ARE YOU BEING ROBBED???



9 out of 10

lift truck power programs
are only **50-60%** efficient!*

Intelligence...NOT DATA recaptures efficiency

*2014 ENS audit of all I.S. customers



An **Intelligence** Program = Efficiency = **Profit**

- Montgomery, NY **\$1,418,498**
- Leola, PA **\$936,747**
- Pottsville, PA **\$487,408**
- Atlanta, GA **\$396,394**
- Ontario, CA **\$269,609**
- Salem, VA **\$262,650**
- Durham, NC **\$210,348**
- Sioux City, IA **\$201,074**
- And the list goes on...

Over \$4 million saved
Just 8 locations

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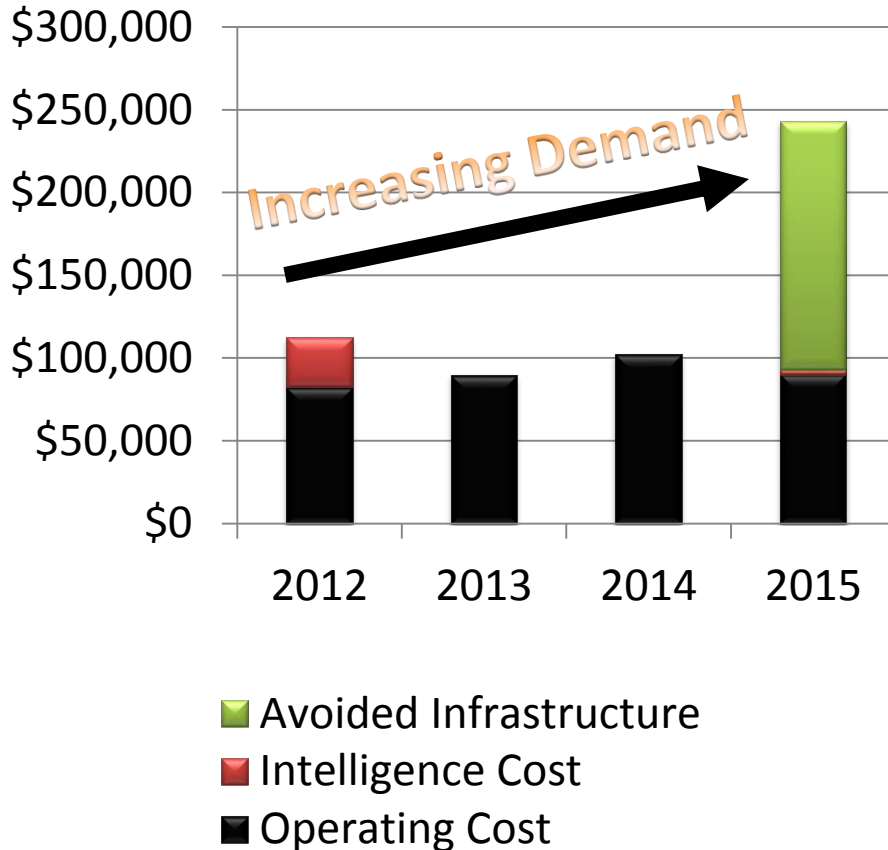
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Intelligence Saved Over **\$200k** and Reduced Annual Costs



Challenge: Need more equipment due to growth

Data Program (2012)

- DIY analysis
- Assumed \$200k spend for expansion

Intelligence Program (2014)

- Expert analysis
- Team engineered solution avoided \$200k spend

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Comparing Your Options

DATA PROGRAM VS. INTELLIGENCE PROGRAM

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Hitting the Target: **PROFIT**

POTENTIAL

RESULTS

SUSTAINABILITY





Definition of a Data Program

Stand Alone

- Devices and canned reports
- Analyst/Report writer
- Designated “enforcer”



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Data Delivers **Numbers**

Device

Voltage/Cell (V)

Minimum Maximum

ET TP OD BA WL ME

Reporting Software



The Pitfalls of Data Programs

POTENTIAL

MISSED ISSUES
Steep learning curve
Lacks integrated analysis

RESULTS

MISSED OPPORTUNITIES
Weak action plan
Lack of support

SUSTAINABILITY

NO or LOW ROI
Gym membership syndrome
Backsliding into old habits



Definition of an Intelligence Program

Stand Together

- Devices and analysis by battery operations expert
- No DIY required
- Custom reports
- Team action plan
- Benchmarking



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Intelligence Delivers, Executes and Measures a Plan



Operator Report

Category	Count	Percentage	Max	Min	Avg	Std Dev
CHG	121215	24	875	0	0	0
CHD	121215	24	875	0	0	0
CHM	121215	24	875	0	0	0

Quarterly Exceptions Report - Charger & Battery Data

CAUSE: Errors in the watering process or system failures.
CORRECTION: Check the low water sensor for proper operation. Check the low water sensor more frequently. Check the watering system for proper operation. Verify that the truck is accessible for operation.

Execution Team

Action Plan

Expert Analysis





An **Intelligence** Program Overcomes Data Pitfalls

POTENTIAL

Maximum Issue Recognition
Comprehensive expert analysis
Correlates products, people, processes

RESULTS

MAXIMUM GAINS
Customized action plan
Execution team

SUSTAINABILITY

MAXIMUM ROI
Consistent, continuous program
Delivered to you

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Evaluating Programs

QUESTIONS TO DETERMINE DATA OR **INTELLIGENCE**

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Driving **PROFIT**

POTENTIAL

RESULTS

SUSTAINABILITY





POTENTIAL

- Does this capture **ALL** of my inefficiency?
- **Expert Analysis** or Canned Reports?
- Does this report **Root Causes** or just Exceptions?

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RESULTS

- How does this solution **Assure** actions and results?
- Does this solution provide an **Action Plan** for every member of my team?



SUSTAINABILITY

- Are the reports **pushed** to me?
- What is the process for showing continued **improvement**?
- What is the **return** on my **investment**?

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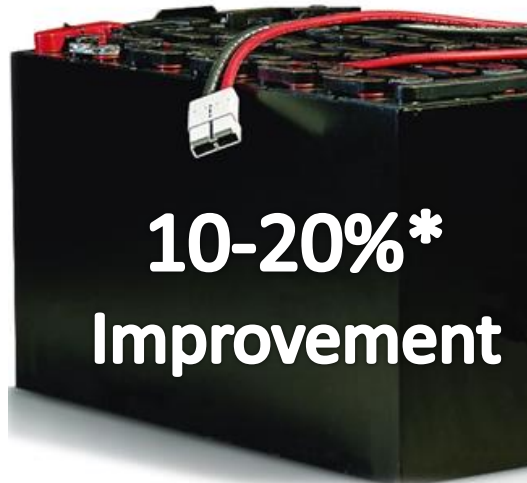
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Remember what is at stake: **Profit**

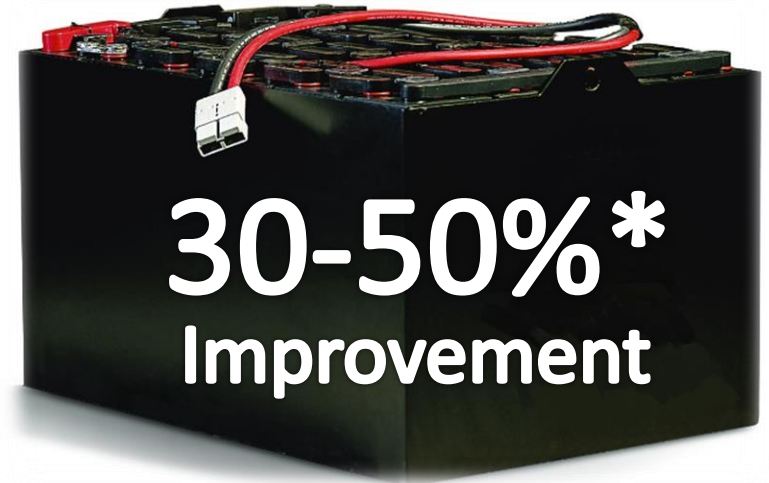
Typical Application



Data Solutions



Intelligence Programs



*Estimated: Results vary greatly depending on the application and the Information Program

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