

SOLVE FOR X.

Stop Guessing – Start Modeling

How advanced energy modeling software is transforming the way customers and salespeople design motive power solutions for forklift fleets.

Presented by:

Jarrold Smith - Regional Manager, Emerging Technologies

Joe Monahan - Regional Managers, Emerging Technologies



What Currently Fuels Your Fleet of MHE?

- Is it the best fuel source for your needs?
- Are you getting the most out of your fuel?
- Are there alternatives?

Do You Know Your Fleet Costs?

- Can you reduce the Total Cost of Ownership of your forklift fleet?
- Can you reduce your investment in MHE?
- Can you reduce your MHE maintenance expenses?
- Can you minimize your fuel expense?
- Can you increase productivity of your employees
- Can you increase the health and safety of your employees?
- Can you contribute to your company's "Green Initiatives"?

How do you know?

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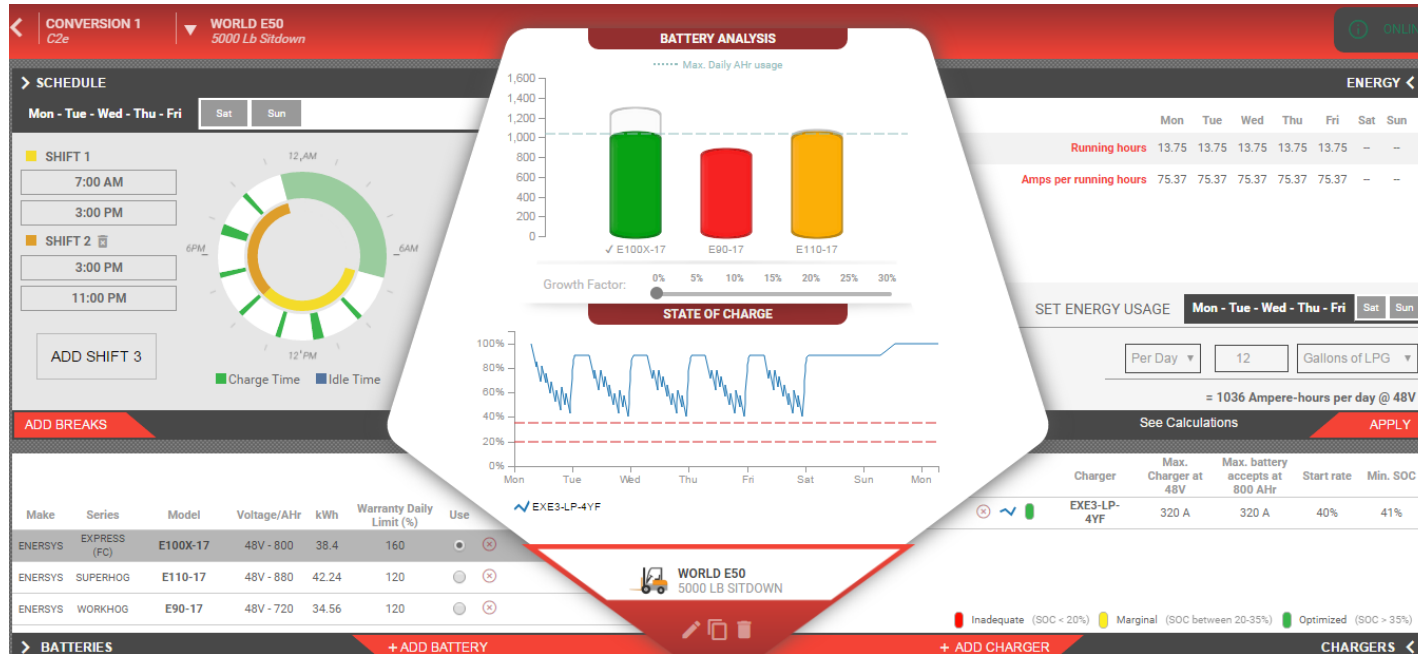
With advanced energy modeling software we can put science and logic to these questions with a customizable solution designed for any application

- Consultative solution software
- Customer interaction with real life inputs

Your information, your application, your business your story.

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So, Stop Guessing – Start Modeling



Creating Powerful Solutions

What Does this software do?

- Provides detailed battery and charger specifications for your production requirements
- Provides detailed TCO and ROI analysis
- Delivers professional presentation and report capabilities to make informed logical MHE decisions

What Does this software provide?

Solutions

- Smart Battery ChangeSM (**SBCSM**) Helps “Right Size” battery inventory requirements and improve change out efficiencies
- Zero Battery ChangeSM (**ZBCSM**) - Identifies if Opportunity Charge and Fast Charge can eliminate the need for battery inventory
- Convert to ElectricSM (**C2ESM**) – Provides a clear case to support conversion from fossil fuel to electric forklifts
- Environmental Impact – Provides detailed carbon footprint analysis

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Let's Build Your Story



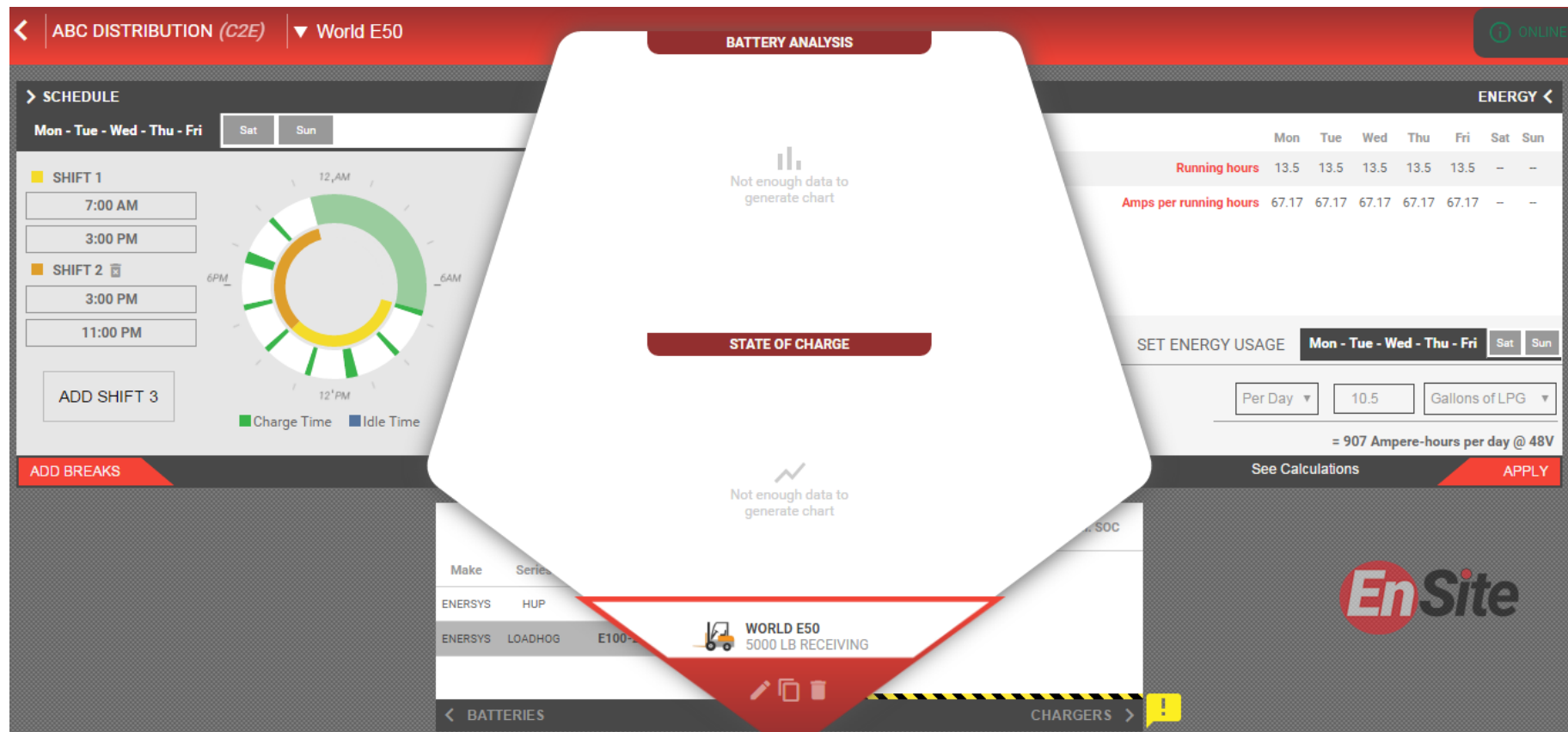
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Shift Schedule with Breaks



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Fuel Consumption



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Battery Selection



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Charger Selection

ADD CHARGER
Facility VAC: 480 3-phase
EnerSys Opportunity Chargers
3KW
☐ EIP3-GL-4Y
☐ EIP3-GN-4Y
6KW
☐ EIP3-HL-4Y
☐ EIP3-HN-4Y
9KW
☐ EIP3-IN-4Y
☐ EIP3-IP-4Y
EnerSys Express Fast Chargers
EnerSys Standard Chargers
Other Chargers
Move your cursor over the charger's model to see more details...
Inadequate Marginal Optimized

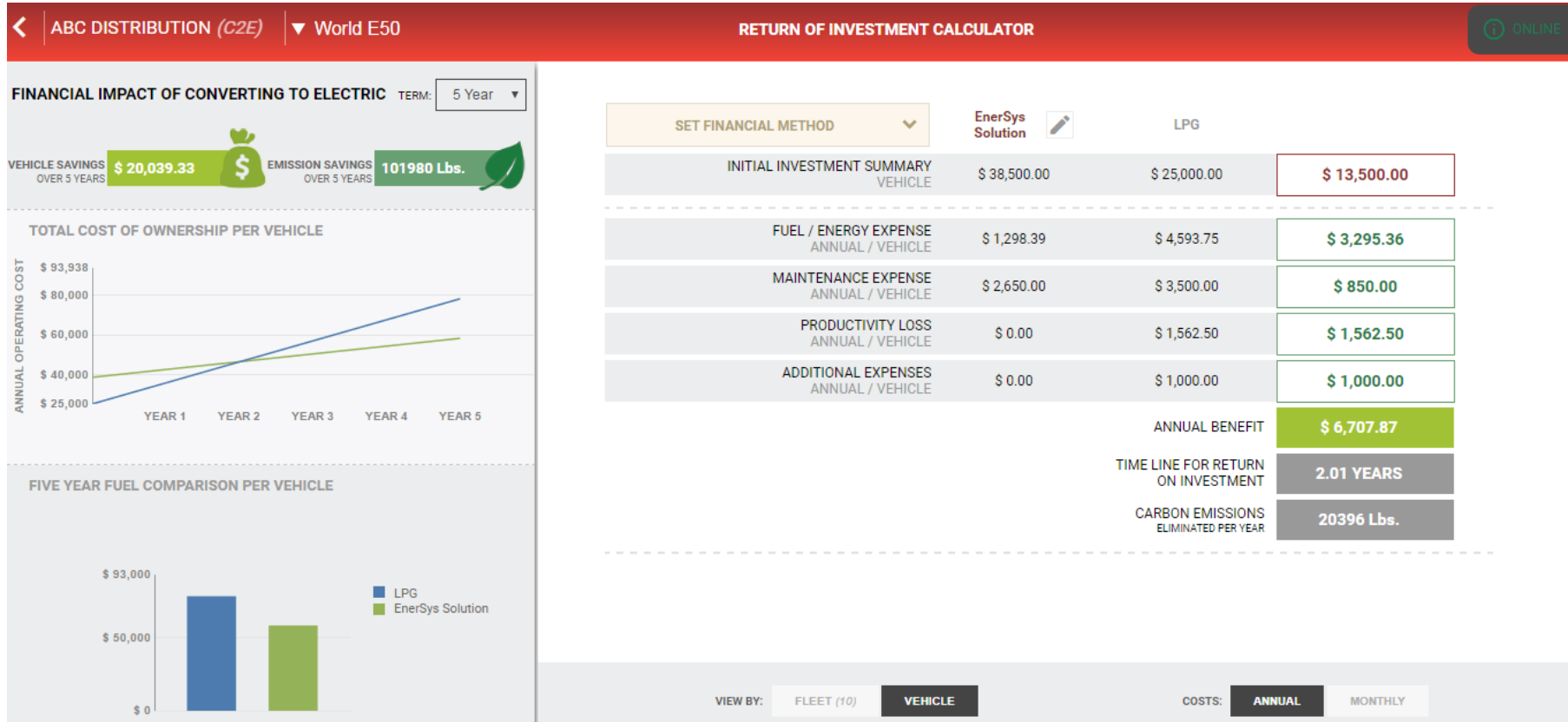
World E50
BATTERY ANALYSIS
Not enough data to generate chart
STATE OF CHARGE
Not enough data to generate chart
ENERGY
Mon Tue Wed Thu Fri Sat Sun
Running hours 13.5 13.5 13.5 13.5 13.5 - -
Amps per running hours 67.17 67.17 67.17 67.17 67.17 - -
SET ENERGY USAGE Mon - Tue - Wed - Thu - Fri Sat Sun
Per Day 10.5 Gallons of LPG
= 907 Ampere-hours per day @ 48V
See Calculations **APPLY**
Max. Charger at 48V Max. battery accepts at 1000 Ahr Start rate Min. SOC
40.8 120 Use
48 120 Use
WORLD E50
5000 LB RECEIVING
Please add a charger to continue ...
+ ADD BATTERY **+ ADD CHARGER** **CHARGERS**

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Powerful Solution Produced



Powerful Financial and Environmental Impact



SET FINANCIAL METHOD

EnerSys Solution

LPG

VIEW BY:

FLEET (10)

VEHICLE

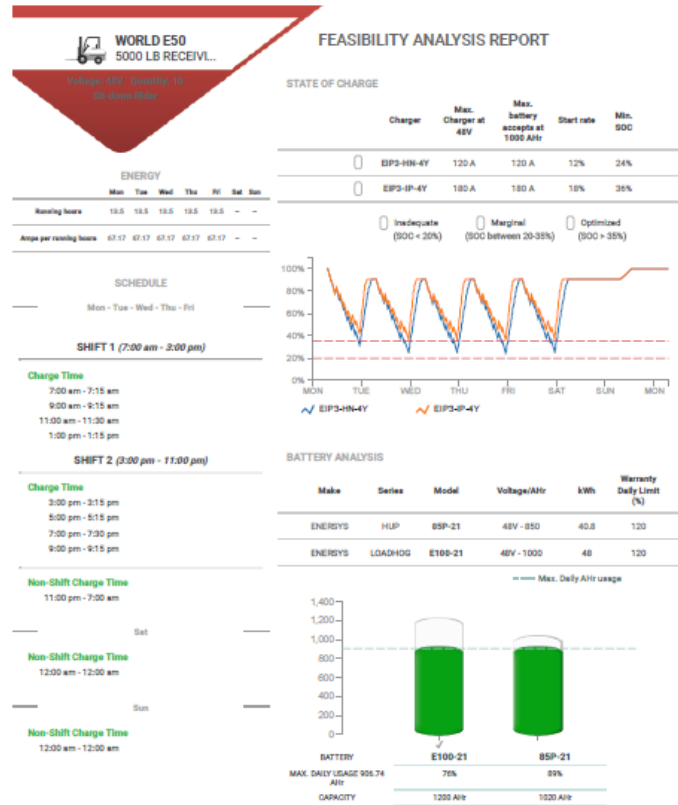
COSTS:

ANNUAL

MONTHLY

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Powerful Reporting



WORLD E50
5000 LB RECEIVING (copy)

APPLICATION ANALYSIS

Vehicle Capacity: 5000 lbs.
Days of operation: 250
Weekly energy required: 210 Electric kWh
Battery model: E100-21
Quantity of batteries: 1
Charging methodology: OPPORTUNITY CHARGE
of Vehicles: 10

FINANCIAL METHOD

VEHICLE PURCHASE	BATTERY LEASE Monthly %	CHARGER LEASE Monthly %



FINANCIAL REPORT

TOTAL COST OF OWNERSHIP

SUMMARY	EnerSys Solution	LPG
INITIAL INVESTMENT SUMMARY	\$ 385,000.00	\$ 250,000.00
LEASE/FINANCE INVESTMENT SUMMARY		
FUEL / ENERGY EXPENSE	\$ 12,983.87	\$ 45,937.50
MAINTENANCE EXPENSE	\$ 26,500.00	\$ 35,000.00
PRODUCTIVITY LOSS	\$ 0.00	\$ 15,625.00
ADDITIONAL EXPENSES	\$ 0.00	\$ 10,000.00
TOTAL:	\$ 424,483.87	\$ 356,562.50
DETAILS Annual / Fleet	EnerSys Solution	LPG
INITIAL INVESTMENT SUMMARY		
Vehicle Model #:	E50	5K
Vehicle Purchase Price:	\$ 38,500.00	\$ 25,000.00
Electrical Infrastructure (per Vehicle):	\$ 0.00	\$ 0.00
TOTAL:	\$ 385,000.00	\$ 250,000.00
LEASE/FINANCE INVESTMENT SUMMARY		
Vehicle Model #:	E50	5K
Vehicle Price:	\$ 0.00	\$ 0.00
Vehicle Monthly Payment:	\$ 0.00	\$ 0.00
Battery Handling Equipment:	\$ 0.00	\$ 0.00
Infrastructure Monthly Payment:	\$ 0.00	\$ 0.00
FUEL / ENERGY EXPENSE	\$ 12,983.87	\$ 45,937.50
Fuel Cost:	\$ 0.10 per Electric kWh	\$ 1.75 per Gallons
Battery model #:	E100-21	
Battery Price:	\$ 0.00	
Battery Monthly Payment:	\$ 0.00	\$ 0.00
Charger model #:	EIP3-IP-4Y	
Charger Price:	\$ 0.00	
Charger Monthly Payment:	\$ 0.00	\$ 0.00
MAINTENANCE EXPENSE	\$ 26,500.00	\$ 35,000.00
Vehicle Maintenance:	\$ 1.20	\$ 1.75
Vehicle cost for PM:	\$ 0.00	\$ 0.00
Battery Maintenance:	\$ 150.00	
Warranty program:	\$ 0.00	
Charger Maintenance:	\$ 100	
PRODUCTIVITY LOSS	\$ 0.00	\$ 15,625.00
Battery Change / Plug-in vs Tank Change / Refill:	0 min.	15 min
Charges vs Refill Per day:	0	1
Labor rate (Cost per hour):	\$ 25.00 per hr	\$ 25.00 per hr
ADDITIONAL EXPENSES	\$ 0.00	\$ 10,000.00
Custom Expense #1:	\$ 0.00	\$ 1,000.00
TOTAL:	\$ 424,483.87	\$ 356,562.50

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So....Stop Guessing – Start Modeling

Questions?

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For more information:

jarrod.smith@enersys.com

joe.monahan@enersys.com

website: www.enersys.com

www.convert2electric.com