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President & CEO, Global Cold Chain Alliance







GCCA Energy Excellence and Benchmarking

Customer Research & European Benchmarking

















Smart&Final. Wegmans Kwik TRIP Walgreens























































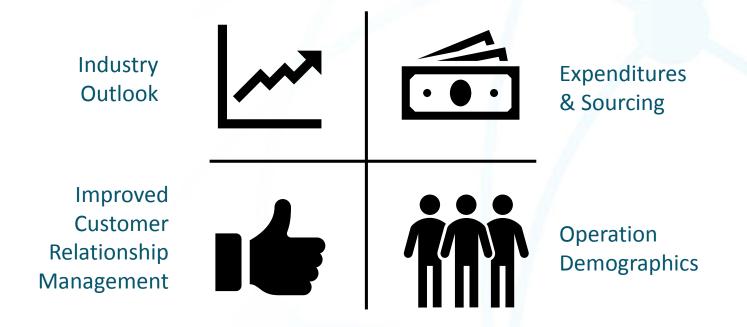
21ST EUROPEAN COLD CHAIN CONFERENCE

14-16 MARCH 2018 | ANTWERP

Global Cold Chain Alliance

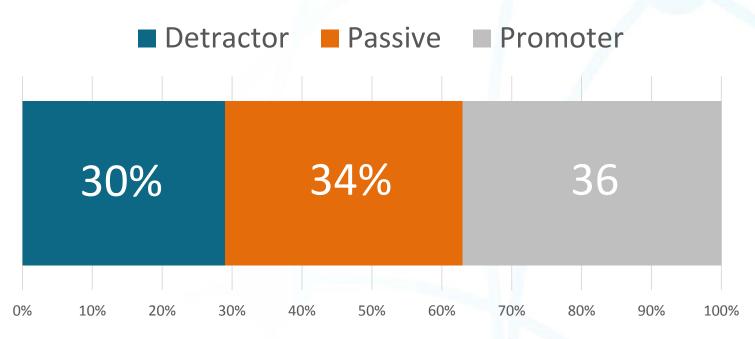


Customer Research Survey





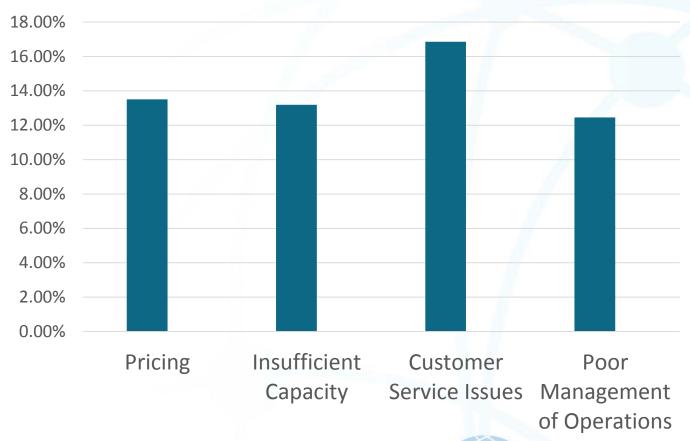
How likely are customers to promote the use of temperature-controlled 3PL services?







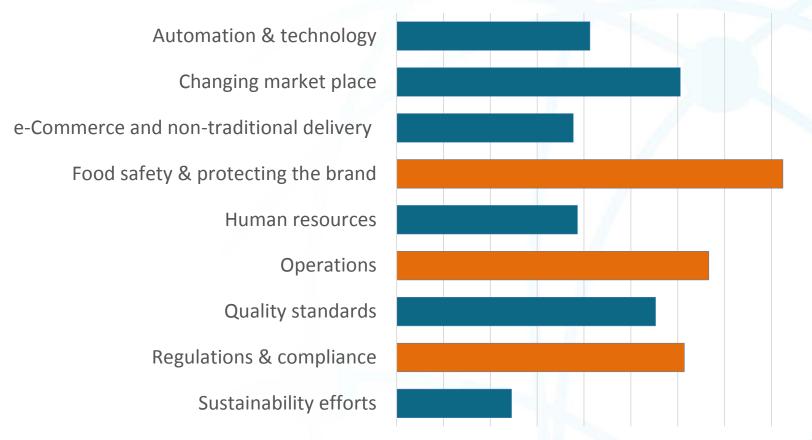
Most common reasons for ceasing work with a 3PL







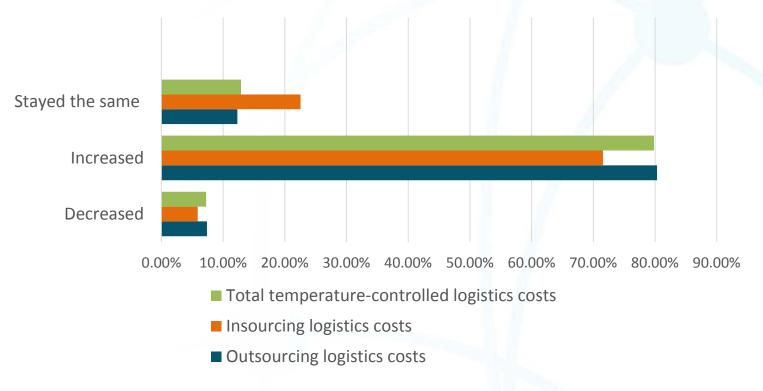
Business trends in the next 5 years







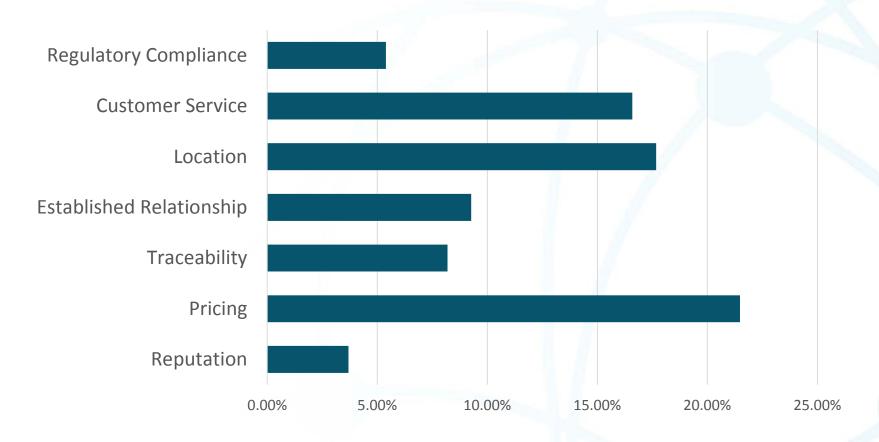
Temperature-controlled logistics costs in the last 24 months







Factors in selecting a 3PL partner





European Productivity & Benchmarking Survey



Participating Countries

Austria

Lithuania

Belgium

Netherlands

Denmark

Poland

France

Portugal

Germany

Spain

Greece

United

Ireland

Kingdom

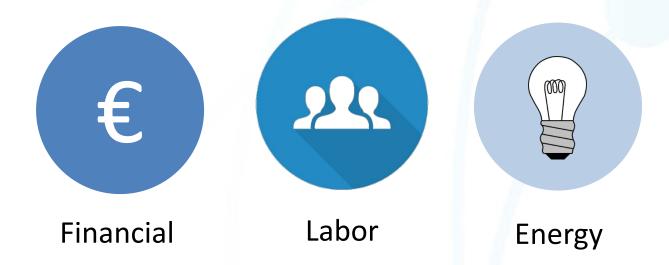


13 countries

28 warehouses



Areas of Focus





Average Revenue Per Facility





North America vs. Europe

12.5	Average Inventory Turns per Year	10.5
\$6,740,000 USD	Average Revenue per Facility	9,660,000 Euros
42 employees	Number of Full Time Equivalents per Warehouse	47 employees
143,000 (median)	Pallets Handled per Year per Warehouse	37,331 (average)



37,331

The average number of pallets handled per year



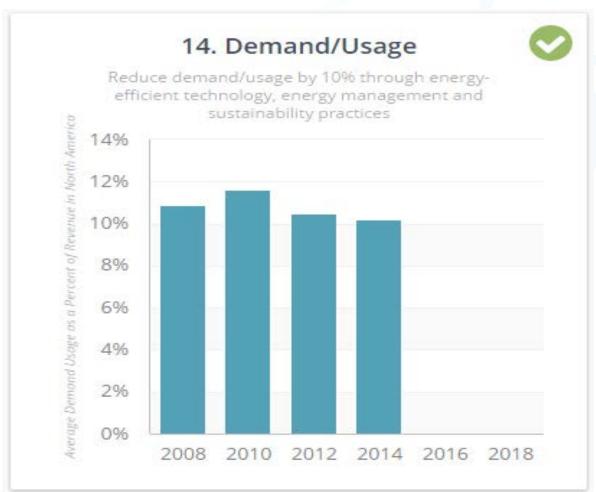
71% Average occupancy rate

10.5 inventory turns per year Average expenditure on power per warehouse 663,184 Euros





Background





	Demonstrates a baseline	Demonstrates behavior-based	Demonstrates organizational			
Cate	commitment from management	changes to regular operations	investment in energy excellence			
gory	and basic tracking	and increased tracking	and real-time tracking			
# J	Savings goal	Savings goal	Savings goal			
Commit	Written plan	Written plan	Written plan			
္မွ	Energy champion	Energy champion	Energy champion			
	Self-assessment	Self-assessment	Self-assessment			
	Energy Map	Energy Map	Energy Map			
e e	Metrics	Metrics	Metrics			
Planning & Implementation	-	Suggestion Program	Suggestion Program			
	-	Energy Waste Walks	Active capital/investment portfolio			
	-	Energy Team/Committee	Energy Team/Committee			
₽ ₽	-	Training	Training			
ani.	-	Recognition Program	Recognition Program			
풉	-	Incentive Program	Incentive Program			
	-	-	Quarterly controls review			
	-	-	Persistence			
- 4	Manual, at least monthly	Manual, at least weekly	Real-Time measurements			
8 gu	measurements	measurements	near mile measurements			
urir	-	-	Audit/certification			
Measuring & Reporting	Reporting	Reporting	Reporting			
2	-	Weekly production data	Weekly production data			
Nore than 3 consecutive years of Gold Status will be recognized with Platinum status.						

Gold

Bronze

Energy Management Assessment Report

Prepared for

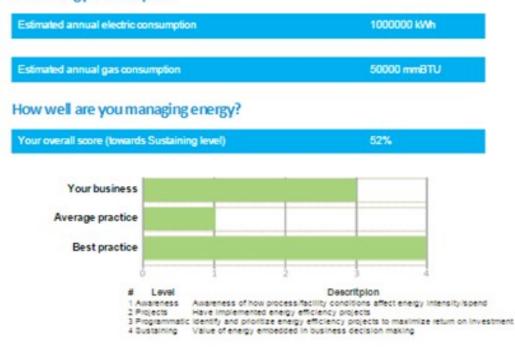
Example Customer Name

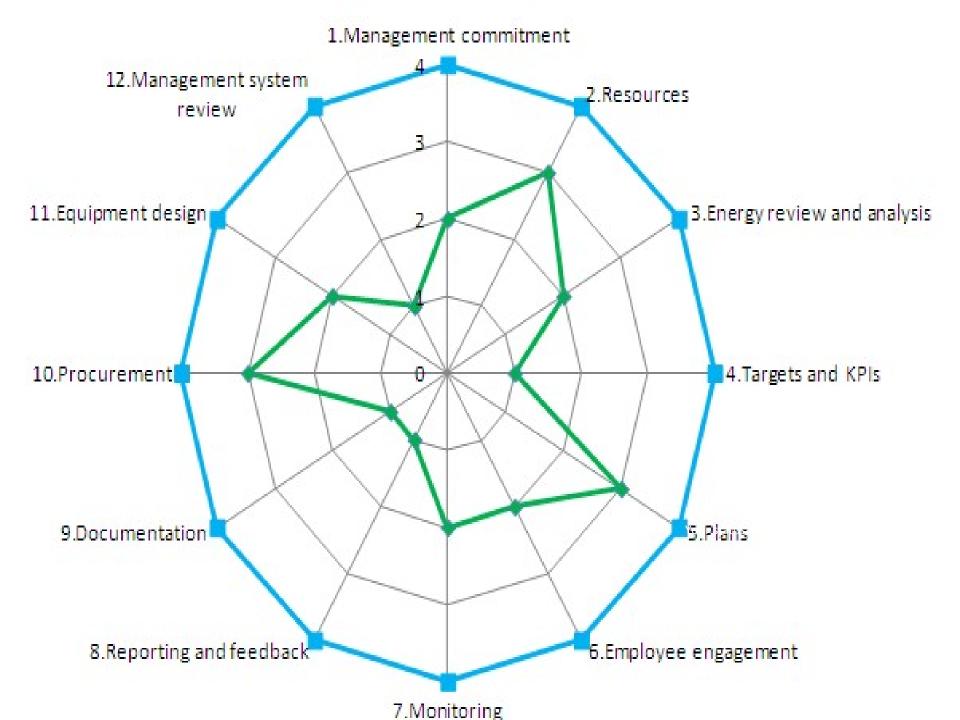
By: Mike Smith • For: Sam Walton • sam.walton@testco.com • Return Password: 9ffc7746 123 Test St, Portland, 97201 • 01/13/2015

EXECUTIVE SUMMARY

Thank you for recently partaking in the Northwest EMA (Energy Management Assessment) to identify your Energy savings opportunities. Your Northwest EMA report provides information and details on recommended energy strategies together with local programs and tips to help you improve energy management within your organization. We hope that your Northwest EMA report is valuable to your business and achieving long term energy savings.

Your energy consumption



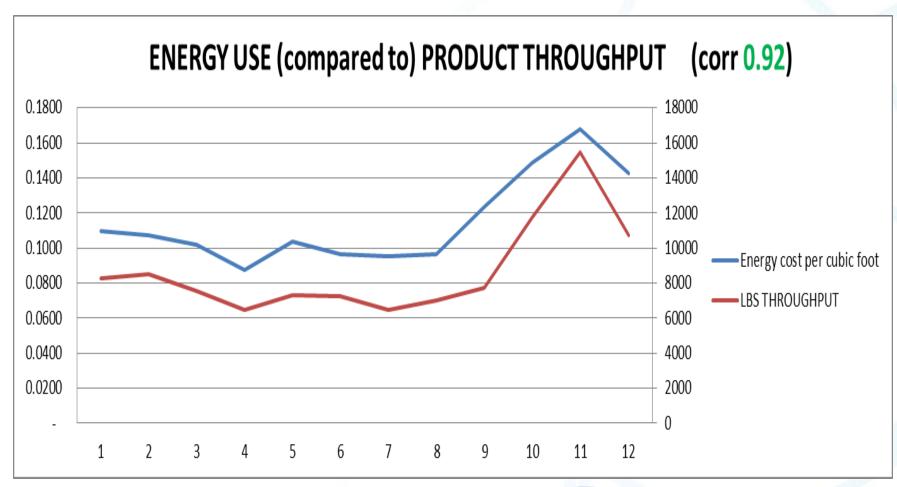


RECOMMENDATIONS FOR YOUR BUSINESS

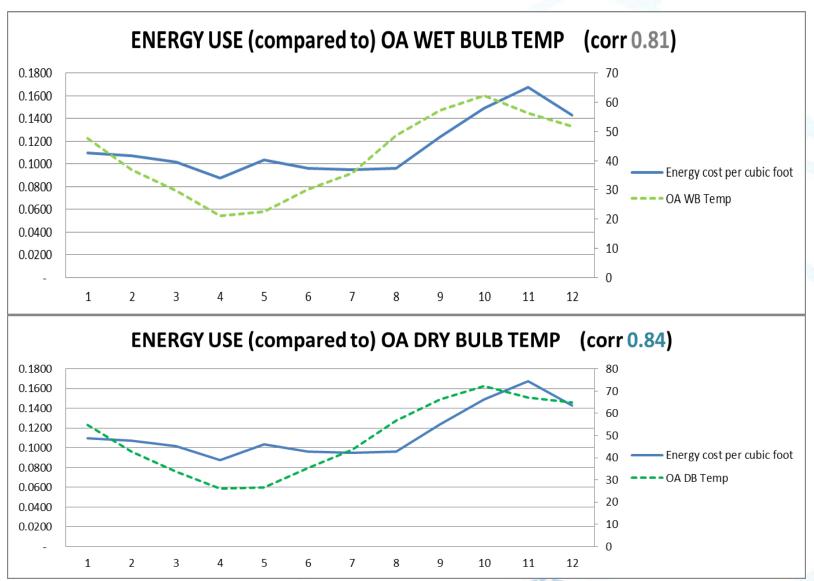
The following recommendations are provided based on the results of your self-assessment. The recommendations are prioritized based on your responses provided in the self-assessment, your level of development in each of the 12 components and the assessment prioritization factors for each component.

Resources (human and financial)	By When	By Whom
Assign at least one staff member responsibility for energy performance within your organization, as part of their role.	Apr/30/2015	Jane Marsh
More info: http://energyimprovement.org/getstarted.php		
Energy review and analysis	By When	By Whom
Conduct a review of your equipment and energy bills to identify savings opportunities (e.g. complete an energy audit of your facility/organization).	May/22/2015	Karen Smiles
More info: http://online-sem.com/resourcelibrary.php		
Monitoring and analysis	By When	By Whom
Conduct regularly monitoring of energy consumption and costs at your facility level. More info: http://energyimprovement.org/getstarted.php	Jun/30/2015	Juan Gonzalez

Correlations









Comparative Analysis

Overall Site Analysis	Site 1	Site 2	Site 3	Site 4	Site 5	Site 6
BTU/CF/YR	7300	3909	3191	7119	3571	971
BTU/CF/YR/10kLB	30.71	22.74	11.02	33.62	9.36	5.90
Energy \$ / Product Volume	\$ 17.05	\$ 18.96	\$ 10.56	\$ 17.39	\$ 8.90	\$ 19.85
THROUGHPUT / CF	69	41	41	67	52	11
Type of Lights	LED	MH	MH	HID	LED/T8	LED
Type of Floor Heat	ELECTRIC	ELECTRIC	NONE	GLYCOL	GLYCOL	ELECTRIC
Blast Freezing	4		4	4		
Frozen Storage	4	4	4	4	A	1
Refrigerated Storage						4
Non-Conditioned Storage						4



Thank you!

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