

Important companies from several fields are our reference:

ABENGOA
APPLUS
ARTENIUS
ASESA
ATLANTIC COPPER
AYESA
AZCATEC
BASF
BEFESA
BIO-OILS
BP
CARGILL
CENTRAL LECHERA ASTURIANA
CEPSA
CONSORCIO DE AGUAS DE BILBAO
COOPERATIVA LAS MARISMAS DE LEBRIJA
DERETIL
EASTMAN
ENDESA ENERGÍA
FERTIBERIA
FMC FORET
GRUPO LECHE PASCUAL
GRUPO SOS
HEINEKEN ESPAÑA
IDAE
PERSAN
REPSOL
SABIC
SAINT-GOBAIN PLACO
SOLVAY
STORA ENSO

“DVA's projects generated a great value for our company, identifying high profitability energy saving projects that represented an important improvement in the economic results of the company.”

Juan Manuel García Horrillo. General Manager of DETISA (Grupo CEPSA) (Madrid).

“27 energy saving projects that resulted in an important reduction of our annual energy bill. Many of the projects involved operational changes without investments. DVA showed a high degree of professionalism and built good relationship with plant staff.”

Miguel Martínez Navacerrada. Manager of FMC Foret, S.A. (Huelva)

“The project involved a cogeneration energy optimization and energy recovery within the process using pinch analysis. These projects generated savings that represent an important percentage of our energy bill. DVA team carried out an excellent work.”

Francisco Galindo Delgado. Commercial Manager of Stora Enso Barcelona, S.A. (Barcelona)

“We identified a 6% of energy saving after a pinch analysis and an additional 11% with a distillation column and process furnace analysis. DVA carried out a very profitable energy study that gave good value to our organization.”

José Antonio Alarcón. Manager of Eastman Chemical España, S.A. (San Roque, Cádiz)

“The energy project carried out by DVA was an excellent work, that identified 17 energy improvement projects that represent a 20% of the energy bill. Many of the projects consisted of operational changes and others had paybacks lower than one year. This project will represent an important competitive advantage for our company.”

Rafael Sánchez Muñiz. Manager of Innovation, Quality and Environment Area from Grupo SOS (Madrid).



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Una manera de hacer Europa

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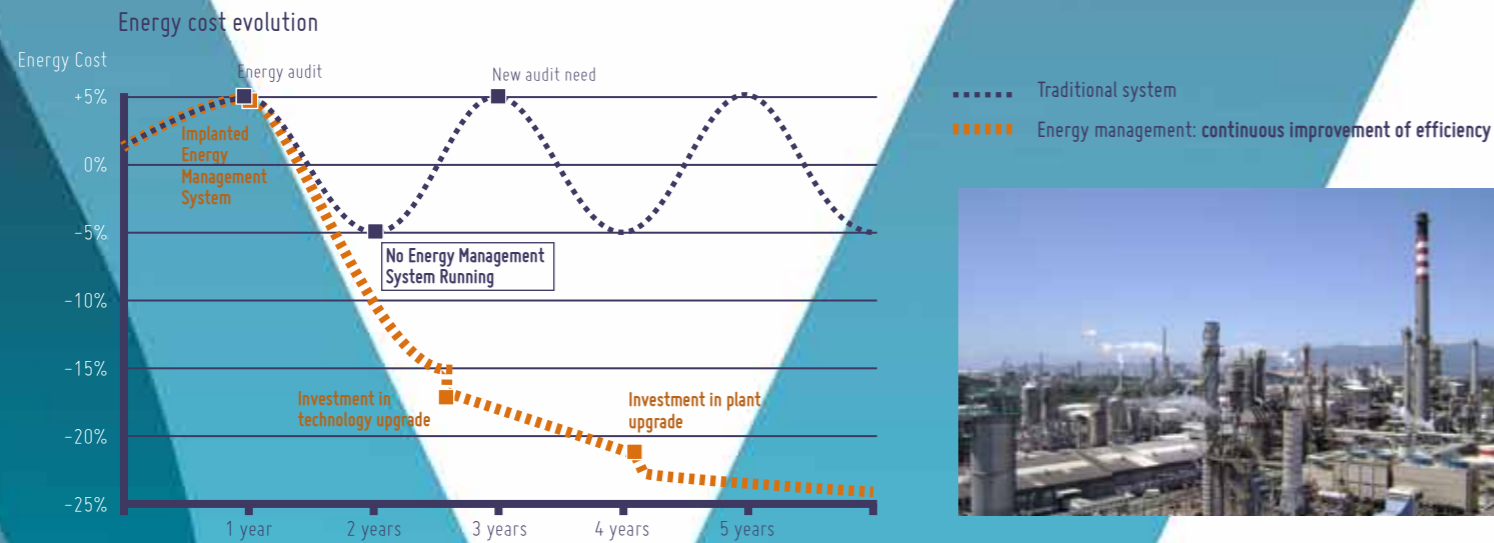
Advanced Energy Efficiency

DVA Global Energy Services, as an independent consulting company, delivers to its customers integrated and innovative solutions in the field of energy efficiency.

With a highly qualified team and a broad experience, **DVA offers services that typically achieved energy reduction cost and CO2 emissions reduction between 5 and 25% of the energy bill of the industrial site.**

Systematic services are oriented towards the reduction of energy cost and CO2 emissions

DVA's Energy Management Systems ensures low energy consumption with time



Continuous improvement is the key factor

DVA strives to improve its services through research.

DVA participates in innovative research projects with prestigious Spanish Universities and companies:

SIMCENER, "Energy management system for industry using data mining"

CENIT I+DEA, "Research and development of Ethanol for transport"

CENIT BIOSOS, "Sustainable biorefinery for Ethanol production using algae"



DVA analyses the customers' energy needs with a comprehensive scope, identifies improvement opportunities with the latest technology to provide the best solutions.



Global energy optimization of industrial sites. Systematic analysis to achieve energy optimization identifying energy opportunities in equipments, energy recovery through pinch point and utilities modelling.

Success energy optimization studies carried out at FMC Foret, Eastman Chemical España, Stora Enso Barcelona, Grupo Leche Pascual, Saint Gobain Placo, Bio-Oils energy, Grupos SOS, CML, etc.

Resultados inmejorables en industrias como Cepsa, FMC Foret, Eastman Chemical Iberia, Stora Enso, Grupo Leche Pascual, Saint Gobain Placo, BioOils Energy, Grupos SOS, CML, etc.

Pinch Point studies. Structure approach to improve energy recovery ensures minimum energy consumption of utilities.

Cogeneration sites energy optimization. Energy reduction cost projects, thorough energy improvements, including operational enhancements and investment projects.

Projects carried out at Grupo CEPSA, FMC Foret and Refinería de Asfaltos Españoles (ASESA).

Energy management software: iManergy. Implementation and maintenance of DVA proprietary software that ensures reducing energy costs.

Successfully applied in cogeneration sites of DETISA (Grupo CEPSA).

Remote energy management (UNE EN 50001). Remote energy monitoring and management of the site providing regularly reporting and energy improvement ideas.

Benchmarking of industrial sites. Comparative analysis of energy performance of several sites helps managers to make strategic decisions concerning energy efficiency.

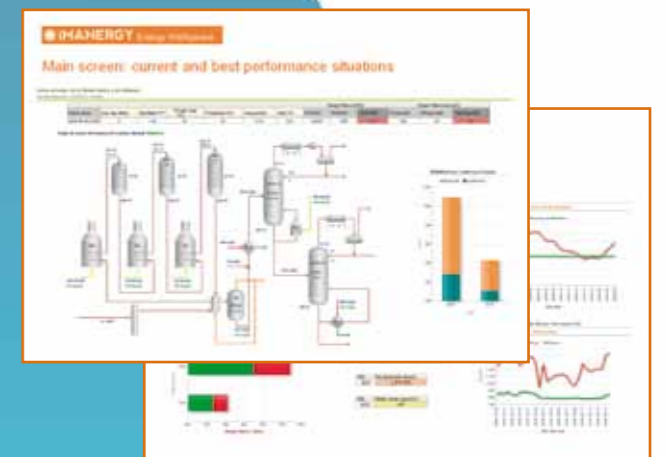
M&V (measurement and verification) in energy performance contracts. Data mining modelling ensures proper energy saving verification in EPC for Energy Services Companies (Escos).

Widely welcomed at a cogeneration site of Grupo CEPSA.

Process simulation to verify energy projects and process improvements.

CHP and power plant simulations to optimize its design and performance.

Training course in house.



Energy saving of DVA projects are measurable*

Site	Number of projects	Savings (€/year)	% energy bill
Cogeneration refining	4	1.245.505	6,6%
Cogeneration petrochemical	4	3.310.500	12,8%
Chemistry TPF	19	1.950.000	13,2%
Cogeneration chemical industry	5	811.000	5,5%
Paper board industry	13	740.000	3,1%
Biodiesel plant	5	228.000	19,0%
Edible oil refining	16	392.000	27,2%
Concentrate tomato factory	23	262.926	17,0%

(*) Saving results obtained in DVA projects.