

Energy Efficiency Actions in SMEs and Large Companies in the Industrial Sector II

Plant: Grupo Componentes Vilanova, S.A.

Grupo Componentes Vilanova, S.A., commitment to improve energy efficiency in its facilities, through different projects that have been carried out with the support of energy saving and efficiency aid line in SMEs and Large Companies in the Industrial sector, co-financed by the European Regional Development Fund (ERDF)) and managed by the IDAE under the national energy efficiency fund.

The aid granted is intended to act in a cleaner and more sustainable economy.

The actions carried out are the following:

Energy efficiency improvement of refractory insulation in melting furnaces

Refractory insulation has been replaced in 7 melting furnaces corresponding to the Refinery stage of the production process. The furnaces that are the object of the action correspond to the fuse towers TF1, TF2, 4 maintenance furnaces RAN2, RAN 3, GUINEA TN15 and GUINEA TN20 and TRF Rotary mouth. The new refractory material combines the chemical composition of the refractory material with built-in stainless steel fiber, allowing the reduction of energy consumption in the process. The energy savings achieved with this action is 619,15 tep / year.

Total investment of the project: 382.378,00 €

Grant: 75.443,40 €

Energy efficiency improvement of the lighting system.

Low efficiency luminaires of obsolete technology have been replaced by a total of 712 efficient LED technology luminaires of various models in several factory buildings. The energy savings achieved with the performance is 78,35 tep / year

Total investment: 182.825,00 €

Grant: 47.363,28 €

CNC machine energy efficiency improvement

In which four CNC machines have been replaced by a single double spindle CNC model SW BAW06 22, with which a saving of 55,55 tep / year has been achieved.

Total investment: 755.456,00 €

Grant: 149.353,54 €

Energy efficiency improvement by gate piloted pilot furnaces refinery

The action carried out consists of an energy improvement of the RAN1, RAN2 and RAN3 Reverery maintenance furnaces of the Refinery through the incorporation of gates in the smoke outlets, which are piloted with an automatic actuation cylinder depending on the internal temperature and pressure in the furnaces to ensure safety, facing the current situation of direct open exit. In this way it has been possible to reduce thermal losses, with a more efficient final operation. The energy savings achieved with the performance is 658,60 tep / year

Total investment: 115.100,00 €

Grant: 34.530,00 €



FONDO NACIONAL DE
EFICIENCIA ENERGÉTICA

Industria II



MINISTERIO
DE ENERGÍA, TURISMO
Y AGENDA DIGITAL



Energy Efficiency Actions in SMEs and Large Companies in the Industrial Sector II

Plant: Inyectametal, S.A.

INYECTAMETAL S.A. commitment to improve energy efficiency in its facilities, through different projects that have been carried out with the support of energy saving and efficiency aid line in SMEs and Large Companies in the Industrial sector, co-financed by the European Regional Development Fund (ERDF)) and managed by the IDAE under the national energy efficiency fund.

The aid granted is intended to act in a cleaner and more sustainable economy.

The actions carried out are the following:

Energy improvement of the refractory insulation in melting furnace.

The refractory insulation of the melting furnace 1 of the ship 1 has been replaced by a more efficient system, in which energy efficiency of 76,91 tep / year has been achieved without altering the production process. The new refractory material combines the special chemical composition of the refractory, together with built-in stainless steel fiber, achieving an optimal condition in aluminum melting furnaces. The investment of the action was 82.700 €

The aid granted amounts to 24.030 €

Machining Energy efficiency improvement of aluminum parts.

In building 2, the machining centers LINBRO5 and LINBRO6, consisting of 3 machines each, have been replaced by 8 more efficient machines, without affecting the production process. The 8 new equipment are vertical machining Brother Speedio S700X1 BBT30CTS 16K 21 ATC. The energy saving achieved with this action corresponds to 66,92 tep/year. The investment of the action corresponds to: 890.680,91 €

The aid granted amounts to 204.549,87 €

Machining Energy efficiency improvement of aluminum parts.

The machining centers LINBRO7 and LINBRO8, placed at building 1 and building 2, which 6 inefficient machines, have been replaced by 2 new centers. The 8 new machines are vertical machining Brother Speedio S700X1 BBT30CTS 16K 21 ATC. The energy saving achieved with this action corresponds to 67,42 tep / year. The investment of the action corresponds to: 907.175,00 €.

The aid granted amounts to € 209.498,10 €

Energy efficiency improvement of parts washing process.

The washing machines 10LA04 (94kW), 28LA01 (63kW), 61LA01 (52kW) and 61LA04 (97kW) have been replaced by new machines that optimize the washing, rinsing, blowing and cooling processes. The equipment model for which it has been replaced corresponds to continuous washing machine with conveyor chain, three chamber tunnel type, Model LCB2-123-DCE. The energy saving achieved with this action corresponds to 58,82 tep / year. The investment of the action corresponds to: 612.800 €

The aid granted amounts to 149.674,43 €

Energy efficiency liprovement with frequency inverters.

Frequency inverters have been incorporated in the motors of the hydraulic pumps of the IDRA 700 injectors (F30, F34 and F53) in order to regulate the necessary flow in the production process. It has also installed two drive pumps with frequency inverters to the water cooling circuits, making them work according to the need of the injection machines and not at a constant rate.

Energy savings of 64,96 tep / year have been achieved

The aid granted amounts to 60.067,87 €

Improvement in energy efficiency in maintenance ovens

The aluminum dosing furnaces with open crucibles of a nominal power of 100kW have been replaced in 2 injectors by new maintenance furnaces without crucible, with closed aluminum fusion cell, with refractory and silicon carbide resistances with a nominal consumption of 22 and 25 kW respectively. The ovens also have an electronic dosing system. The energy savings achieved are 43,26 tep / year. The investment made in this action is 129.572,00 €

The aid granted amounts to 35.025,59 €



Energy Efficiency Actions in SMEs and Large Companies in the Industrial Sector II

Energetic improvement of CNC machining system

Reference: FN-PGESI-2017-000535

Plant: Recycle, S.A.

Investment: 832.500 €

Grant: 121.000 €

Funded by:



UNIÓN EUROPEA

Fondo Europeo de Desarrollo Regional
(FEDER)



Energy Efficiency Actions in SMEs and Large Companies in the Industrial Sector

Plant: Inyectametal, S.A.

Energy efficiency improvement in furnace tower and dose control auxiliary equipment by thermal coating renewal

Reference: 55

Investment: 105.634 €

Grant: 31.000,2 €

Efficient industrial machining process

Reference: 65

Investment: 744.239 €

Grant: 193.710 €

Replacement of three horizontal machining centers by a single low consumption and reduced cycle time "energy saving high speed transfer"

Reference: 77

Investment: 761.852 €

Grant: 149.236 €

Energy efficiency improvement in lighting by replacing current luminaires with high efficiency and improved roofing

Reference: 100

Investment: 119.287 €

Grant: 34.438,80 €

Compressors heat recovery in Hall 1

Reference: 296

Investment: 146.685 €

Grant: 44.005,50 €



UNIÓN EUROPEA

Fondo Europeo de Desarrollo Regional
(FEDER)



Redu.E.CIE: Led lamps for ceiling lighting

Reference: C22.159

Plant: CIE PLASFIL

Investment: 68 247.21€

Grant: 20 250.30€

Funded by: Financiamento no âmbito do Fundo de Eficiência Energética – Plano Nacional de Ação para a Eficiência Energética

