

 **ineqi** CO-FUNDED
PROJECTS



**FCT
FUNDED
PROJECTS
2006/11**

PROJECTS 2006-2011 FUNDED BY FCT - PORTUGUESE FOUNDATION FOR SCIENCE AND TECHNOLOGY

In the last 5 years INEGI has 56 undergoing projects funded by FCT, totalizing an investment superior to 3.175.000 Euros.

PROSTHESES FOR DOGS DEVELOPMENT

| | |
|-------------|------------------------|
| Coordinator | António Torres Marques |
| Contract | POCTI/CVT/42718/2001 |
| Investment | € 20.000,00 |
| Period | 01/2003 to 06/2006 |

PREDICTING LONG-TERM PROPERTIES OF FIBER GLASS REINFORCED PLASTIC PIPES

| | |
|-------------|----------------------|
| Coordinator | Rui Miranda Guedes |
| Contract | POCTI/EME/47734/2002 |
| Investment | € 50.820,00 |
| Period | 10/2003 to 10/2006 |

WOOD GLUED JOINS PROJECT

| | |
|-------------|----------------------|
| Coordinator | Marcelo Moura |
| Contract | POCTI/EME/45573/2002 |
| Investment | € 4.100,00 |
| Period | 09/2003 to 08/2006 |

DETECTION OF ACOUSTIC EMISSION IN COMPOSITE MATERIALS USING EMBEDDED OPTIC FIBER SENSORS

| | |
|-------------|------------------------|
| Coordinator | António Torres Marques |
| Contract | POCTI/EME/48574/2002 |
| Investment | € 26.400,00 |
| Period | 09/2003 to 02/2006 |

COMBUSTÃO E TRANSFERÊNCIA DE CALOR EM LEITOS FLUIDIZADOS CIRCULANTES

| | |
|-------------|----------------------|
| Coordinator | Carlos Pinho |
| Contract | POCTI/EME/44300/2002 |
| Investment | € 21.600,00 |
| Period | 09/2003 to 8/2006 |

NONLINEAR FINITE ELEMENT FOR A NEW HIP PROSTHESIS INCORPORATING DIFFERENT VISCO TYPES

| | |
|-------------|----------------------|
| Coordinator | Rui Miranda Guedes |
| Contract | POCTI/EME/44644/2002 |
| Investment | € 52.000,00 |
| Period | 01/2004 to 06/2007 |

| SEGMENTATION, TRACKING AND MOTION ANALYSIS OF DEFORMABLE (2D/3D) OBJECTS USING PHYSICAL PRINCIPLES | |
|---|-------------------------|
| Coordinator | João Tavares |
| Contract | POSC/EEA-SRI/55386/2004 |
| Investment | € 63.420,00 |
| Period | 05/2005 to 05/2008 |

| HYBRID METHOD FOR DYNAMIC CHARACTERIZATION OF COMPOSITE PLATES AND SHELLS UNDER IMPACT LOADS | |
|---|---------------------|
| Coordinator | Fernando Ferreira |
| Contract | POCI/EME/63236/2004 |
| Investment | € 50.000,00 |
| Period | 06/2005 to 05/2007 |

| INFLUENCE OF THE PARAMETERS OF FABRICATION ON THE OPTICAL SENSORS PERFORMANCE | |
|--|----------------------------|
| Coordinator | António Torres Marques |
| Contract | POCI/EME/62147/2004 |
| Investment | € 55.000,00 |
| Period | 01/2005 a Dezembro de 2006 |

| DELAMINATION CRITERIA FOR COMPOSITE MATERIALS | |
|--|---------------------|
| Coordinator | Marcelo Moura |
| Contract | POCI/EME/57956/2004 |
| Investment | € 19.568,00 |
| Period | 09/2005 to 08/2008 |

| DESIGN AND MANUFACTURE FOR DURABILITY USING COMPOSITE MATERIALS | |
|--|------------------------|
| Coordinator | António Torres Marques |
| Contract | REEQ/849/EME/2005 |
| Investment | € 444.442,22 |
| Period | 01/2005 to 03/2007 |

| STUDY OF WOOD AND WOOD BONDED JOINTS BEHAVIOUR UNDER MIXED-MODE LOADING. | |
|---|---------------------|
| Coordinator | Marcelo Moura |
| Contract | POCI/EME/56567/2004 |
| Investment | € 30.840,00 |
| Period | 09/2005 to 08/2008 |

| OPTIMIZATION OF CASTING SIMULATION | |
|---|----------------------|
| Coordinator | José Ferreira Duarte |
| Contract | POCI/EME/61326/2004 |
| Investment | € 58.258,00 |
| Period | 01/2005 to 12/2007 |

| SANDWICH STRUCTURES WITH CORK COMPOUND LAYERS: A NEW VIBRATION CONTROL SOLUTION | |
|--|------------------------------|
| Coordinator | José Fernando Dias Rodrigues |
| Contract | POCI/EME/61967/2004 |
| Investment | € 34.908,00 |
| Period | 07/2005 to 06/2007 |

| NATIONAL CO-FINANCING FOR THE EUROPEAN PROJECT LITEBUS | |
|---|--------------------|
| Coordinator | António Fernandes |
| Contract | POCI |
| Investment | € 42.588,00 |
| Period | 10/2006 to 03/2008 |

| DIAMOND COATINGS (NCD) ON SI₃N₄ CERAMIC MATERIALS FOR TRIBOLOGICAL APPLICATIONS | |
|--|---------------------|
| Coordinator | Francisco Silva |
| Contract | POCI/CTM/59449/2004 |
| Investment | € 6.360,00 |
| Period | 08/2005 to 08/2008 |

| FUEL CELLS SYSTEMS OPTIMIZATION: EXPERIMENTAL AND NUMERICAL | |
|--|---------------------|
| Coordinator | Carlos Pinho |
| Contract | POCI/EME/55497/2004 |
| Investment Value | € 14.400,00 |
| Period | 06/2005 to 06/2008 |

| NUMERICAL MODELLING OF THE FILAMENT WINDING PROCESS USING FINITE ELEMENTS METHOD | |
|---|-------------------------|
| Coordinator | António Torres Marques |
| Contract | PTDC/EME-PME/73528/2006 |
| Investment | € 80.000,00 |
| Period | 04/2007 to 09/2009 |

| NM-RTM. MODELLING AND CONTROL OF THE NANO-MAGNETIC RESIN TRANSFER MOULDING PROCESS | |
|---|-------------------------|
| Coordinator | Nuno Correia |
| Contract | PTDC/EME-MFE/67103/2006 |
| Investment | € 60.000,00 |
| Period | 06/2007 to 05/2010 |

| REPAIR OF WOOD STRUCTURES USING ARTIFICIAL COMPOSITES | |
|--|-------------------------|
| Coordinator | Marcelo Moura |
| Contract | PTDC/EME-PME/64839/2006 |
| Investment | € 35.780,00 |
| Period | 08/2007 to 08/2010 |

| DEVELOPMENT OF LIGAMENT TISSUE REINFORCEMENTS IN BIODEGRADABLE COMPOSITE MATERIAL | |
|--|-------------------------|
| Coordinator | Rui Miranda Guedes |
| Contract | PTDC/EME-PME/70155/2006 |
| Investment | € 54.096,00 |
| Period | 06/2007 to 05/2010 |

| EXPERIMENTAL ASSESSMENT OF MOISTURE EFFECTS ON AGING AND DURABILITY OF THERMOSETTING POLYMERS | |
|--|-------------------------|
| Coordinator | Rui Miranda Guedes |
| Contract | PTDC/EME-PME/67791/2006 |
| Investment | € 50.700,00 |
| Period | 06/2007 to 05/2010 |

| HIP FEMORAL PROSTHESIS FOR IN VIVO LOOSENING DATA ACQUISITION | |
|--|-------------------------|
| Coordinator | António Torres Marques |
| Contract | PTDC/EME-PME/70824/2006 |
| Investment | € 20.928,00 |
| Period | 05/2007 to 04/2010 |

| CORTICAL BONE TISSUE FRACTURE BEHAVIOR | |
|---|-------------------------|
| Coordinator | Marcelo Moura |
| Contract | PTDC/EME-PME/71273/2006 |
| Investment | € 19.320,00 |
| Period | 08/2007 to 07/2010 |

| DRILLING OF POLYMERIC MATRIX COMPOSITES STRUCTURES | |
|---|-------------------------|
| Coordinator | Marcelo Moura |
| Contract | PTDC/EME-PME/66207/2006 |
| Investment | € 7.300,00 |
| Period | 08/2007 to 08/2010 |

| LOW FRICTION, BIODEGRADABLE AND LOW TOXICITY GREASES FOR ROLLING BEARINGS | |
|--|-------------------------|
| Coordinator | Armando Campos |
| Contract | PTDC/EME-PME/72641/2006 |
| Investment | € 70.000,00 |
| Period | 08/2007 to 07/2010 |

| CONTACT FATIGUE MODEL FOR GEAR MICROPITTING PREDICTION | |
|---|-------------------------|
| Coordinator | Jorge Castro |
| Contract | PTDC/EME-PME/66185/2006 |
| Investment | € 90.000,00 |
| Period | 08/2007 to 07/2010 |

| LOW POWER LOSS AUSTEMPERED DUCTILE IRON GEARS | |
|--|-------------------------|
| Coordinator | Luis Magalhães |
| Contract | PTDC/EME-PME/73389/2006 |
| Investment Value | € 120.000,00 |
| Period | 08/2007 to 07/2010 |

| A FREQUENCY-TEMPERATURE DEPENDENT VISCOELASTIC CONSTITUTIVE MODEL: DEVELOPMENT, EXPERIMENTAL IDENTIFICATION, FINITE ELEMENT IMPLEMENTATION AND MATERIAL DATABASE GENERATION | |
|--|-------------------------|
| Coordinator | Dias Rodrigues |
| Contract | PTDC/EME-PME/66741/2006 |
| Investment Value | € 90.000,00 |
| Period | 07/2007 to 06/2010 |

| GRINDING OF MODERN MATERIALS | |
|-------------------------------------|-------------------------|
| Coordinator | Renato Natal |
| Contract | PTDC/EME-TME/81239/2006 |
| Investment | € 37.200,00 |
| Period | 08/2007 to 07/2010 |

| INTUMESCENT MATERIAL BEHAVIOR EVALUATION IN THE PASSIVE PROTECTION OF STRUCTURAL ELEMENTS SUBJECTED TO FIRE | |
|--|-------------------------|
| Coordinator | Mário Vaz |
| Contract | PTDC/EME-PME/64913/2006 |
| Investment | € 3.000,00 |
| Period | 05/2007 to 04/2010 |

| SMART JOINT IMPLANTS USING BIONANOCOMPOSITS - (SIMBIO) | |
|---|------------------------|
| Coordinator | Torres Marques |
| Contract | NANO/Nmed-SD/0156/2007 |
| Investment | 16 584,00 € |
| Period | 10/2009 to 09/2011 |

| ION AND IRON REGULATORY PHYSIOLOGY IN THE MARINE LAMPREY (PETROMYZON MARINUS), A PARASITIC FEEDER. | |
|---|----------------------|
| Coordinator | João Paulo Pereira |
| Contract | PTDC/MAR/098035/2008 |
| Investment | 25 704,00 € |
| Period | 04/2010 to 03/2013 |

| BLOOD FLOW SIMULATION IN ARTERIAL NETWORKS TOWARDS APPLICATION AT HOSPITAL | |
|---|--------------------------|
| Coordinator | João Tavares |
| Contract | PTDC/SAU-BEB/102547/2008 |
| Investment | 24 354,00 € |
| Period | 03/2010 to 02/2013 |

| METHODOLOGIES TO ANALYZE ORGANS FROM COMPLEX MEDICAL IMAGES - APPLICATIONS TO FEMALE PELVIC CAVITY | |
|---|--------------------------|
| Coordinator | João Tavares |
| Contract | PTDC/EEA-CRO/103320/2008 |
| Investment Value | 79 800,00 € |
| Period | 05/2010 to 04/2013 |

| BIO-COMPUTATIONAL STUDY OF TINNITUS | |
|--|--------------------------|
| Coordinator: | João Tavares |
| Contract | PTDC/SAU-BEB/104992/2008 |
| Investment | 29 177,00 € |
| Period | 01/2010 to 12/2012 |

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| DAMCOMPOSITE - DEVELOPMENT OF A TOOL OF GENERAL APPLICATION FOR THE GLOBAL DAMAGE CHARACTERIZATION IN LAMINATED COMPOSITE MATERIALS | |
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|-------------|--------------------------|
| Coordinator | Hernani Lopes |
| Contract | PTDC/EME-PME/102095/2008 |
| Investment | 92 560,00 € |
| Period | 04/2010 to 03/2013 |

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|--|--|
| PHYSICAL ACTIVITY INFLUENCE IN THE QUALITY OF BONE TISSUE ON WISTAR MICE WITH ESTROGEN DEFICIENCY | |
|--|--|

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|------------------|----------------------|
| Coordinator | Mário Vaz |
| Contract | PTDC/DES/103047/2008 |
| Investment Value | 9 000,00 € |
| Period | 04/2010 to 03/2013 |

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|---|--|
| MULTISTABLE COMPOSITE STRUCTURES FOR APPLICATION IN MORPHING AIRCRAFT STRUCTURES | |
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|------------------|-------------------------|
| Coordinator | Pedro Camanho |
| Contract | PTDC/EME-PME/64819/2006 |
| Investment Value | 51 210,00 € |
| Period | 04/2009 to 03/2012 |

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|--|--|
| SENSEFIL - MONITORING OF FILAMENT WOUND VESSELS USING OPTICAL SENSORS EMBEDDED IN THE COMPOSITE REINFORCEMENT | |
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|------------------|--------------------------|
| Coordinator | António Torres Marques |
| Contract | PTDC/EME-PME/102806/2008 |
| Investment Value | 80 884,00 € |
| Period | 04/2010 to 03/2012 |

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|---|--|
| FIRE PROTECTION SYSTEMS FOR GFRP PULTRUDED PROFILES - FIRE-FRP | |
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|-------------|----------------------|
| Coordinator | Celeste Pereira |
| Contract | PTDC/ECM/100779/2008 |
| Investment | 34 980,00 € |
| Period | 04/2010 to 03/2013 |

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| IMPROVEMENT OF THE MESHLESS RADIAL BASIS FUNCTIONS METHOD WITH APPLICATIONS TO COMPOSITE MATERIALS | |
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|-------------|--------------------------|
| Coordinator | Carla Roque |
| Contract | PTDC/EME-PME/109116/2008 |
| Investment | 58 000,00 € |
| Period | 04/2010 to 03/2013 |

| LONG TERM PROPERTIES OF ADAPTIVE COMPOSITE WITH EMBEDDED SHAPE MEMORY ALLOY WIRES | |
|--|--------------------------|
| Coordinator | Rui Oliveira |
| Contract | PTDC/EME-PME/108321/2008 |
| Investment | 64 999,92 € |
| Period | 06/2010 to 05/2012 |

| SMARTCOAT - UTILIZATION OF HOST MATERIALS PROPERTIES TO ENHANCE PARTICULAR SENSING CAPABILITIES OF EMBEDDED FIBRE BRAGG GRATING SENSORS | |
|--|--------------------------|
| Coordinator | Rui Oliveira |
| Contract | PTDC/EME-PME/108308/2008 |
| Investment | 46 201,00 € |
| Period | 05/2010 to 04/2012 |

| DEVELOPMENT OF MICROELECTROMECHANICAL BY GELCASTING - GELMENS | |
|--|----------------------|
| Coordinator | Jorge Lino |
| Contract | PTDC/CTM/099489/2008 |
| Investment | 101 966,00 € |
| Period | 04/2010 to 03/2013 |

| MULTI-SCALE MODELING OF HEXAGONAL CLOSED PACK (HCP) MATERIALS WITH SPRING-BACK PREDICTION | |
|--|--------------------------|
| Coordinator | Abel Santos |
| Contract | PTDC/EME-TME/105688/2008 |
| Investment | 40 603,00 € |
| Period | 01-04-2010 a 31-03-2013 |

| HIGH EFFICIENCY GEARS AND LUBRICANTS FOR WIND MILL PLANETARY GEARBOXES | |
|---|--------------------------|
| Coordinator | Ramiro Martins |
| Contract | PTDC/EME-PME/100808/2008 |
| Investment | 110 000,00 € |
| Period | 01-06-2010 a 31-05-2013 |

| AMIC - ASSESSING THE MID-CENTURY CLIMATE TRANSITION: CONTRIBUTING TO AN ENSEMBLE OF GLOBAL AND REGIONAL DECADAL SIMULATIONS | |
|--|--------------------------|
| Coordinator | José Carlos Matos |
| Contract | PTDC/AAC-CLI/109030/2008 |
| Investment | 30 372,00 € |
| Period | 01-01-2010 a 31-12-2012 |

| FSW, OPTIMIZATION AND JOINT STRENGTH PREDICTION BASED ON THE TAGUCHI AND ARTIFICIAL NEURAL NETWORK METHODS | |
|---|--------------------------|
| Coordinator | Pedro Moreira |
| Contract | PTDC/EME-TME/114703/2009 |
| Investment | 105 000,00 € |
| Period | 01-03-2011 a 28-02-2014 |

| EXPERIMENTAL AND NUMERICAL CHARACTERIZATION OF COMPOSITE MATERIALS WITH LONG NATURAL FIBERS | |
|--|--------------------------|
| Coordinator | José Esteves |
| Contract | PTDC/EME-TME/111698/2009 |
| Investment | 57 770,00 € |
| Period | 01-02-2011 a 31-01-2014 |

| STEERLAM - DAMAGE TOLERANCE OF FIBRE-STEERED COMPOSITE PANELS | |
|--|--------------------------|
| Coordinator | Cláudio Lopes |
| Contract | PTDC/EME-TME/111004/2009 |
| Investment | 105 000,00 € |
| Period | 01-04-2011 a 31-03-2014 |

| NANOCRETE - DEVELOPMENT AND OPTIMIZATION OF POLYMER CONCRETE NANOCOMPOSITES WITH ENHANCED BEHAVIOUR UNDER FIRE AND HIGH SERVICE TEMPERATURES | |
|---|-------------------------|
| Coordinator | Cristina Ribeiro |
| Contract | PTDC/ECM/110162/2009 |
| Investment | 89 346,00 € |
| Period | 01-04-2011 a 31-10-2013 |

| NUMERICAL SIMULATION AND PRODUCTION OF POLYMERIC FUNCTIONALLY GRADED MATERIALS | |
|---|--------------------------|
| Coordinator | Carla Roque |
| Contract | PTDC/EME-PME/110084/2009 |
| Investment | 38 000,00 € |
| Period | 01-03-2011 a 30-11-2012 |

| DEVELOPMENT OF LIGAMENT TISSUE REINFORCEMENTS IN BIODEGRADABLE PCL/PLA/PBG COMPOSITE FIBRES | |
|--|--------------------------|
| Coordinator | Rui Miranda Guedes |
| Contract | PTDC/EME-PME/114808/2009 |
| Investment Value | 55 356,00 € |
| Period | 01-04-2011 a 31-03-2014 |

| MODTOP - NUMERICAL MODELLING OF THE TOW PLACEMENT PROCESS | |
|--|--------------------------|
| Coordinator: | António Torres Marques |
| Financing Entity: | FCT |
| Contract | PTDC/EME-PME/115472/2009 |
| Institutions: | INEGI |
| Investment Value | 105 000,00 € |
| Financing Value | 105 000,00 € |
| Period | 01-04-2011 a 31-03-2014 |

| CHARACTERIZATION OF THE CONSTITUTIVE BEHAVIOR OF METAL SHEETS FROM A SINGLE MULTI-PATH-EXPERIMENTAL-TEST BY INVERSE ANALYSIS | |
|---|-----------------------------|
| Coordinator: | Abel Santos |
| Financing Entity: | FCT |
| Contract | PTDC/EME-TME/105195/2009 |
| Institutions: | INEGI; FCT/UC; Univ. Aveiro |
| Investment Value | 52 866,00 € |
| Financing Value | 52 866,00 € |
| Period | 01-04-2011 a 31-03-2014 |

**QREN
CO-FUNDED
PROJECTS
2006/11**

PROJECTS 2006-2011 CO-FUNDED BY PORTUGUESE STRUCTURAL FUNDS

In the period 2006-2011 INEGI had 43 projects co-funded by Portuguese Structural Funds, totaling an investment superior to 11.450.000 Euros.

| PET - PET TECHNOLOGY DEVELOPMENT FOR MAMMOGRAPHY | |
|---|--|
| Coordinator | José Fernando C. Sampaio |
| Contract | Contrato nº s/ nº |
| Institutions | Taguspark (P), Hospital Garcia da Orta (P), IBEB (P), LIP (P), IBILI (P) INOV (P) e INESC (P) |
| Investment Value | € 232.255,67 |
| Public Funding | € 232.255,67 |
| Period | 01/2003 to 12/2006 |

| COMPOSITES RESERVOIRS FOR HIGH PRESSURE | |
|--|---------------------------------|
| Coordinator: | António Torres Marques |
| Financing Entity: | Agência de Inovação |
| Contract | Contrato 70/2005/31b/00071/0013 |
| Institutions: | VIDROPOL (P), INEGI (P) |
| Investment Value | € 49.003,55 |
| Financing Value | € 29.887,87 |
| Period | 10/2005 to 09/2007 |

| DEVELOPMENT OF A PULTRUSION STRING WITH RESIN INJECTION | |
|--|-----------------------------|
| Coordinator | Nuno Correia |
| Contract | Contrato 13/02/03/FOR/01255 |
| Institutions | ALTO (P) |
| Investment Value | € 107.418,55 |
| Public Funding | € 74.118,80 |
| Period | 09/2005 to 08/2007 |

| SYSTEM FOR RECOVERY AND REUSE OF WASTE GENERATED IN FOOTWEAR MANUFACTURE | |
|---|-------------------------------------|
| Coordinator | João Paulo Pereira |
| Contract | Contrato nº 70/2004/3.1B/00348/0001 |
| Institutions | CTC (P), ATIRIZ (P) e TECMACAL (P) |
| Investment Value | € 92.076,00 |
| Public Funding | € 50.287,40 |
| Period | 11/2004 to 04/2007 |

| TURBOCHARGERS IMPELLERS PRODUCTION PROCESS | |
|---|-------------------------------------|
| Coordinator | Rui Neto |
| Contract | Contrato nº 70/2006/3.1B/00072/0022 |
| Institutions | ZOLLERN & COMANDITA (P) |
| Investment Value | € 476.385,60 |
| Public Funding | € 309.650,54 |
| Period | 07/2004 to 06/2006 |

| AUTOMATIC STEAM COOKING FOOD MACHINE | |
|---|-------------------------------|
| Coordinator | António Augusto Fernandes |
| Contract | Contrato nº 70/2004/00118/295 |
| Institutions | INEGI (P) |
| Investment Value | € 260.890,00 |
| Public Funding | € 195.667,50 |
| Period | 05/2004 to 03/2007 |

| NEW ENERGY DEVELOPMENT | |
|-------------------------------|--|
| Coordinator: | Rui Sá |
| Contract | - |
| Institutions: | INETI, SER, IST, EFACEC, EDP, VIDROPOL, AREAM, EEM; LabElect |
| Investment Value | € 1.288.077,83 |
| Public Funding | € 953.950,37 |
| Period | 03/2006 to 06/2008 |

| PET II - PET TECHNOLOGY DEVELOPMENT FOR MAMMOGRAPHY | |
|--|---|
| Coordinator | João Paulo Pereira |
| Contract | 70/00327 |
| Institutions | Tagusparque; LIP; HGO; IBEB; IBILI; INESC |
| Investment Value | € 318.535,17 |
| Public Funding | € 159.267,09 |
| Period | 01/2007 to 07/2008 |

| SLOGBETUMES | |
|--------------------|--------------------|
| Coordinator | João Paulo Pereira |
| Contract | 70/00307 |
| Institutions | PETROGAL |
| Investment Value | € 38.745,20 |
| Public Funding | € 25.184,38 |
| Period | 11/2006 to 04/2007 |

| LUCIS | |
|------------------|--------------------|
| Coordinator | Rui Sá |
| Contract | 70/00244 |
| Institutions | INEGI |
| Investment Value | € 241.003,00 |
| Public Funding | € 181.475,26 |
| Period | 10/2006 to 09/2007 |

| GREEN BENDER | |
|---------------------|--------------------|
| Coordinator | João Paulo Pereira |
| Contract | 3406 |
| Institutions | ADIRA; INEGI |
| Investment Value | € 240.629,07 |
| Public Funding | €180.471,81 |
| Period | 09/2008 to 11/2011 |

| COMTICAST | |
|------------------|---------------------|
| Coordinator: | Rui Neto |
| Contract | 1543 |
| Institutions | ZOLLERN & COMANDITA |
| Investment Value | € 1.053.245,71 |
| Public Funding | € 789.934,28 |
| Period | 03/2008 to 11/2010 |

| STRESS-LESS SHOE | |
|-------------------------|---|
| Coordinator | Mário Vaz |
| Contract | 3470 |
| Institutions | KBRINKA; KLAVENESS; CALAFE; CTCP; FADEUP; ESTSP-IPP |
| Investment Value | € 36.158,79 |
| Public Funding | € 27.219,09 |
| Period | 10/2008 to 06/2011 |

| STeP UAV | |
|------------------|--------------------|
| Coordinator | Nuno Correia |
| Contract | 1606 |
| Institutions | Spin.Works; INEGI |
| Investment Value | € 86.220,41 |
| Public Funding | € 64.665,30 |
| Period | 10/2008 to 08/2011 |

| FIBERPLAS | |
|------------------|--------------------|
| Coordinator | Celeste Pereira |
| Contract | 1550 |
| Institutions: | Exporplás |
| Investment Value | € 161.482,24 |
| Public Funding | € 102.363,59 |
| Period | 04/2008 to 08/2011 |

| NGHTF | |
|------------------|--------------------|
| Coordinator | João Paulo Pereira |
| Contract | 3079 |
| Institutions | SODÉCIA |
| Investment Value | € 539.489,73 |
| Public Funding | € 404.617,29 |
| Period | 12/2008 to 11/2011 |

| I-BUS | |
|------------------|---|
| Coordinator | João Paulo Pereira/Nuno Correia |
| Contract | 3383 |
| Institutions | Caetano Components, S.A; Amorim Cork Composites, S.A; Couro Azul; SETSA |
| Investment Value | € 159.534,96 |
| Public Funding | € 119.651,22 |
| Period | 10/2008 to 08/2011 |

| I-SEAT | |
|------------------|---|
| Coordinator | João Paulo Pereira/Nuno Correia |
| Contract | 5464 |
| Institutions | Caetano Components, S.A; Amorim Cork Composites, S.A; Couro Azul; |
| Investment Value | € 170.014,08 |
| Public Funding | € 127.510,56 |
| Period | 02/2009 to 08-2011 |

| TRANSPLANPME | |
|---------------------|---------------------|
| Coordinator | Maria Teresa Galvão |
| Contract | 5607 |
| Institutions | OPT |
| Investment Value | € 89.025,80 |
| Public Funding | € 66.769,34 |
| Period | 03/2009 to 02/2011 |

| COMPINTEGRA | |
|--------------------|---------------------|
| Coordinator | Rui Neto |
| Contract | 5514 |
| Institutions | Zollern & Comandita |
| Investment Value | € 1.282.402,61 |
| Public Funding | € 961.801,96 |
| Period | 09/2009 to 08/2012 |

| LI.F.E | |
|------------------|--|
| Coordinator | Nuno Correia |
| Contract | 5637 |
| Institutions | Amorim Cork Composites, S.A; Couro Azul; SETSA |
| Investment Value | € 377.079,38 |
| Public Funding | € 282.809,54 |
| Period | 07/2009 to 07/2011 |

| ECOPISCIS | |
|------------------|--------------------------------------|
| Coordinator | Nuno Correia |
| Contract | 3442 |
| Institutions | Quinta do Salmão; ICBAS-UP; Palvidro |
| Investment Value | € 96.113,09 |
| Public Funding | € 72.084,81 |
| Period | 01/2009 to 12/2011 |

| FLEXI OPTIMA | |
|---------------------|--------------------|
| Coordinator | João Paulo Pereira |
| Contract | 5353 |
| Institutions | Tecmacal; CTCP |
| Investment Value | € 382.180,02 |
| Public Funding | € 286.635,01 |
| Period | 02/2009 to 12/2011 |

| REMOBI - EXCELLENCE NETWORK FOR MOBILITY | |
|---|---------------------------------------|
| Coordinator | João Paulo Pereira/Rui Neto |
| Contract | 5652 |
| Institutions | CEIIA; PIEP_INESC-Porto; INTELI; FEUP |
| Investment Value | € 76.500,00 |
| Public Funding | € 53.550,00 |
| Period | 04-2009 to 03-2011 |

| WindMeter | |
|------------------|--------------------|
| Coordinator | José Carlos Matos |
| Contract | 11469 |
| Institutions | FIBERSENSING |
| Investment Value | 205 363,07 |
| Public Funding | 154 022,31 |
| Period | 01/2010 to 12/2011 |

| C5 ELECTRIC - 'COBUS' FULL PRODUCT FAMILY (INTERNAL DESIGN, BODY AND CHASSIS) | |
|--|--------------------|
| Coordinator | Nuno Correia |
| Contract | 13795 |
| Institutions | CAETANOBUS; EFACEC |
| Investment Value | 51 408,17 € |
| Public Funding | 38 556,13 € |
| Period | 02/2011 to 12/2011 |

| TOOLING EDGE - SUSTAINABLE HIGH PERFORMANCE MANUFACTURE | |
|--|---|
| Coordinator | Rui Neto |
| Contract | 13856 |
| Institutions: | F. RAMADA; ANÍBAL H. ABRANTES; CENTIMFE; IPL- Instituto Politécnico de Leiria, outros |
| Investment Value | 631 882,12 € |
| Public Funding | 456 210,34 € |
| Period | 07/2010 to 06/2013 |

| ONS - SUPPORT TO STANDARDIZATION ACTIVITIES | |
|--|--------------------|
| Coordinator | João Paulo Pereira |
| Contract | 8047 |
| Institutions | INEGI |
| Investment Value | 97 718,75 € |
| Public Funding | 68 403,13 € |
| Period | 06/2010 to 05/2012 |

| SIG LOG - INTEGRATED LOGISTICS MANAGEMENT FOR MEDICINES, MEDICAL DEVICES AND PHARMACEUTICALS ON THE HEALTH SYSTEM | |
|--|--------------------|
| Coordinator | João Paulo Pereira |
| Contract | 7901 |
| Institutions | MedLog |
| Investment Value | 203 632,90 € |
| Public Funding | 152 724,67 € |
| Period | 08/2009 to 12/2011 |

| FLASERPRO - NEW MACHINE DESIGN FOR MATERIALS PROCESSING USING THE LASER FIBBER OPTICS TECHNOLOGY WITH FULL ECODESIGN METHODOLOGIES INTEGRATION | |
|---|--------------------|
| Coordinator: | João Paulo Pereira |
| Contract | 11497 |
| Institutions | ADIRA |
| Investment Value | 770 303,45 € |
| Public Funding | 577 727,59 € |
| Period | 03/2010 to 02/2013 |

| SYSMAP - ADAPTIVE MODULAR PRODUCT SYSTEMS | |
|--|--------------------|
| Coordinator | João Paulo Pereira |
| Contract | 13714 |
| Institutions | ADIRA; INESC Porto |
| Investment Value | 238 697,08 € |
| Public Funding | 179 022,81 € |
| Period | 02/2010 to 02/2012 |

| MEP | |
|------------------|-------------------------|
| Coordinator | Nuno Correia |
| Contract | 13826 |
| Institutions | INEGI |
| Investment Value | 51 160,65 € |
| Public Funding | 38 370,49 € |
| Period | 01/07/2010 a 31/12/2012 |

| PRODUTECH - ASSOCIATION FOR SUSTAINABLE MANUFACTURING TECHNOLOGIES | |
|---|--|
| Coordinator | João Paulo Pereira |
| Contract | 13849 |
| Institutions: | CENI, IDMEC, IEETA, INESC PORTO, ISQ, ISR-UC, PIEP, UNINOVA, AIMMAP, ANEMM, ANETI, CATIM, CENFIM, CENTIMFE, CEVALOR, CITEVE, CTCOR, CTCP, CTCV, CTIC |
| Investment Value | 403 343,48 € |
| Public Funding | 293 526,95 € |
| Period | 05/2011 to 04/2014 |

| TICE - MOBILITY | |
|------------------------|--------------------|
| Coordinator: | - |
| Contract | 13843 |
| Institutions | INEGI |
| Investment Value | 53 520,75 € |
| Public Funding | 40 140,56 € |
| Period | 01/2011 to 12/2013 |

| SECTOR STANDARDIZATION ORGANISM - CT1 / TECHNICAL DRAWING CT9 / MECHANICAL CONNECTION ELEMENTS | |
|---|--------------------------------|
| Coordinator | José Fernando Coutinho Sampaio |
| Contract | Contrato nº 03/0609 |
| Institutions | INEGI |
| Investment Value | € 105.038,75 |
| Public Funding | € 78.779,06 |
| Period | 06/2005 to 05/2007 |

| RED INCOPYME - COOPERATION BETWEEN RESEARCH CENTRES AND SMEs FOR INNOVATION AND COMPETITIVENESS IMPROVEMENT | |
|--|--|
| Coordinator | João Paulo Pereira |
| Contract | 0075_RED INCOPYME_1_E |
| Institutions | Universidade de Vigo; CEP; CEO; ITG; Tecminho; AEP |
| Investment Value | 100 000,00 € |
| Public Funding | 75 000,00 € |
| Period | 01/2009 to 04/2011 |

| RAIA - OBSERVATORIO OCEÁNICO DEL MARGEN IBÉRICO | |
|--|---|
| Coordinator | Nuno Correia |
| Contract | 0313_RAIA_1_E |
| Institutions | MeteoGalicia; INTECMAR; Instituto Español de Oceanografía (IEO); Instituto de Investigaciones Mariñas (CSIC-IIM); CETMAR; Univ. Vigo; Puerto de Vigo/Puertos del Estado; CIIMAR; INESC; Univ. Porto; IH; Univ. Aveiro |
| Investment Value | 107 816,00 € |
| Public Funding | 80 891,99 € |
| Period | 01/2009 to 12/2011 |

| PITVANT - TECHNOLOGY RESEARCH PROJECT FOR UNMANNED AERIAL VEHICLES | |
|---|----------------------|
| Coordinator | Nuno Correia |
| Institutions | Ministério da Defesa |
| Investment Value | 146 373,00 € |
| Public Funding | 146 373,00 € |
| Period | 01/2009 to 12/2012 |

| HIBRELEC - PROTOTIPO DE GENERACIÓN DE ENERGÍA ELÉCTRICA Y TÉRMICA EN NUCLEOS AISLADOS DE IBERIAMÉRICA | |
|--|-------------------------|
| Coordinator | Rui Sá |
| Institutions | CYTED |
| Investment Value | 81 294,00 € |
| Public Funding | 81 294,00 € |
| Period | 01-11-2010 a 31-09-2014 |

| SAIECT - SCIENCE AND TECHNOLOGY INFRASTRUCTURES SUPPORT SYSTEM | |
|---|--------------------|
| Coordinator: | José Sampaio |
| Investment Value | 4 389 012,92 € |
| Public Funding | 3 072 309,04 € |
| Period | 04/2010 to 03/2012 |

| NEW METHODOLOGY TO MEASURE RESIDUAL STRESSES USING BRAGG SENSORS | |
|---|--------------------|
| Coordinator | Pedro Moreira |
| Investment Value | 3 460,00 € |
| Public Funding | 3 460,00 € |
| Period | 11/2010 to 11/2011 |

| E4R | |
|------------------|--------------------|
| Coordinator | Rui Sá |
| Investment Value | 100 494,86 € |
| Public Funding | 75 371,15 € |
| Period | 01/2011 to 12/2012 |

| GE2C'S | |
|------------------|--------------------|
| Coordinator: | - |
| Investment Value | 115 000,00 € |
| Public Funding | 86 250,00 € |
| Period | 01/2011 to 12/2012 |

**EU
CO-FUNDED
PROJECTS
2006/11**

PROJECTS 2006-2011 CO-FUNDED BY THE EUROPEAN COMMISSION [FRAMEWORK PROGRAMME]

INEGI actively participates on European co-funded projects. In the last 5 years had 11 European projects representing an investment superior to 2.715.000 Euros.

| NETWORKED CENTRE OF EXCELLENCE IN MATERIALS FOR THE ECONOMIC DEVELOPMENT OF THE ATLANTIC AREA | |
|--|--|
| Coordinator | António Ferreira |
| Contract | Contrato nº 042 |
| Partners | University of Exeter (UK), Universidad de Salamanca (E), Universidade de Aveiro (P), University of Limerick (I), Instituto Pedro Nunes (P), ENSCI (L), ICAM(F) |
| Investment Value | € 204.539,28 |
| Public Funding | € 148.413,70 |
| Period | 01/2004 to 12/2006 |

| BIOMON - TOWARDS LONG-LIFE BIO-LUBRICANTS USING ADVANCED DESIGN AND MONITORING TOOLS | |
|---|--|
| Coordinator | Jorge Seabra |
| Contract | Contrato nº COOP-CT-2004-508208 |
| Partners | ROWE Mineralolwerk (D), Shuton €, A. BRITO (P), FERSA SA, MONITON (UK), TEKNIKER € e INEGI (P) |
| Investment Value | € 222.000,00 |
| Public Funding | € 222.000,00 |
| Period | 10/2004 to 12/2006 |

| PIBRAC - PIEZOELECTRIC BRAKE ACTUATOR | |
|--|--|
| Coordinator | Joaquim F. Silva Gomes |
| Contract | Contrato nº AST4-CT-2005 |
| Partners | SAGEM (FR), Airbus (UK), BAM (DE), MESSIER BUGATTI (FR), NOLIAC (DK), University of PADERBORN (DE), SAMTECH (BE), A. BRITO (P), IMMG S.A. (GR) E SKODA (CZ). |
| Investment Value | € 714.750,00 |
| Public Funding | € 357.375,00 |
| Period | 01/2005 to 07/2008 |

| FIELD BENCHMARKING AND MARKET DEVELOPMENT FOR AUDIT METHODS IN AIR CONDITIONING | |
|--|--|
| Coordinator | José Luis Alexandre |
| Contract | Contrato nº EIE/04/104/SO7.38632 |
| Partners | ARMINES (F), EUROVENT (F), INEGI (P), E.V.A. (A), UL (S), WSA-UWC (UK), Ulg (B) e POLITO (I) |
| Investment Value | € 80.047,00 |
| Public Funding | € 37.413,97 |
| Period | 01/2005 to 12/2006 |

| CIVIL AIRCRAFT SECURITY AGAINST MANPADS | |
|--|---|
| Coordinator | Mário Vaz |
| Contract | - |
| Partners | SAGEM (FR),EADS (DE), Diehl-BGT-Defense(DE), Thales Optronique SA (FR), A. Brito (PT), “Clyde and Co (UK), Institute for Economic Research (SL), Onera (FR), Adria Airways (SL), Lufthansa Technik (DE), KEOPSYS, (FR), Laser Diagnostic Instruments AS (EE), FGAN-FOM (DE), Hellenic Aerospace Industry (DR), Thales Research & Technology (FR), Alcatel (FR)” |
| Investment Value | € 368 700,00 |
| Public Funding | € 185 350,00 |
| Period | 06/2006 to 05/2008 |

| MODULAR LIGHTWEIGHT SANDWICH BUS CONCEPT | |
|---|--|
| Coordinator | António Fernandes |
| Contract | TST-CT-2006-031321 |
| Partners | CAETANO (P); MAURI (I); NTET (I); CIMNE (S); UPM (S); KTH; SUNSUND(S); POLIMI(I); OXFORD(UK); ITALDESIGN(I); FIBERSENSI(P); TUC (DE) |
| Investment Value | € 388 490,00 |
| Public Funding | € 219 245,00 |
| Period | 10/2006 to 09/2009 |

| IMPROVED RELIABILITY AND INTEGRATION OF FBG SYSTEMS FOR IN FLIGHT APPLICATIONS | |
|---|--------------------|
| Coordinator | Pedro Moreira |
| Contract | - |
| Partners | INEGI |
| Investment Value | 39 969,14 € |
| Public Funding | 29 976,86 € |
| Period | 10/2009 to 09/2010 |

| QUICK MANUFACTURING OF LARGE TOOLS | |
|---|--|
| Coordinator | Rui Neto |
| Contract | NMP2-CT-2004-505901 |
| Partners | Centimfe (PT); ISTMA Europe (SP);Ascamm (SP);CRIF (BE);Fraunhofer IPT (G); RWTH-WZL (G); FOS (SP); TNO (NL); KUL-PMA (BE); Materialise(BE); Inasmet (SP); Fatronik (SP); WMG (UK); Armines (FR); CAMT (PL); Univ. Minho (PT); IST Lisbon (PT); Rosa Plast (I); Eledacumsa (SP); ICM-Armomapre (SP); Grupo Antolin (SP); Wahl Optoparts (G); Cristmann (G); Roche (G); Zumtobel Toolmaking (AU); 3D Tech (PT); Plasdan (PT); Anibal H. Abrantes (PT); Brisa (PT); Ingeneric (BE); Partner solutions (PT); Extrudehone (BE); Mecanoplastica (SP) |
| Investment Value | € 62 200,00 |
| Public Funding | € 31 100,00 |
| Period | 09/2006 to 09/2008 |

| HARMONAC - PROJECT HARMONIZING AIR CONDITIONING INSPECTION AND AUDIT PROCEDURES IN THE TERTIARY BUILDING SECTOR | |
|--|---|
| Coordinator | José Luís Alexandre |
| Contract | EIE/07/132/SI.466705 |
| Partners | Cardiff University (UK); NKUA (GR);Politecnico di Torino (IT); MacWhirter (UK); ARMINES (FR); Université de Liège (BE); University of Ljubljana (SI); Austrian Energy Agency (AT) |
| Investment Value | € 208 246,00 |
| Public Funding | € 104 123,00 |
| Period | 09/2007 to 08/2010 |

| WASIS | |
|------------------|--------------|
| Coordinator | Hugo Faria |
| Contract | - |
| Partners | INEGI |
| Investment Value | 649 800,00 € |
| Public Funding | 525 468,75 € |
| Period | - |

