# tmodular

ingenuity and art
in timber

# INTRODUCTION

RELIABLE, COMPETITIVE AND PARTNERS

tmodular is the brand within the dst group that deals with its wood processing industry.
tmodular's activities include structural projects, restoration of facilities and old buildings, residential, commercial and industrial buildings. It always endeavours to guarantee innovative solutions and provide a good quality service, to a high standard.
More than a furniture factory or a provider of carpentry services, tmodular is a business partner that creates value for all its stakeholders.
Using cutting-edge expertise and the latest technology, its technical body ensures absolute quality control throughout the process and in each stage of the project, from design to construction and assembly.

RESEARCH AND DEVELOPMENT

Innovation and product development are very strong features of tmodular.
First, the self-sustaining module, which uses tmodular technology, won accolades in national and international competitions.
This prefabricated wooden module can have several applications, from a 27 m2 house (with fully movable kitchen, bathroom and bedroom), an environmental observatory, a fire lookout post, a bar, a kiosk or communications centre.
More recently, within the scope of Architect José Pequeno's PhD project, tmodular collaborated in the design and development of a new product called Energetic Modular Technology (Et3), which combines wood and glass in a multipurpose modular panel to be used in construction.
This project won several international awards and the BES Energy Innovation 2009 award.
It should be available once mass production of Et3 panels commences.

CERTIFICATION

tmodular is certified by NP EN ISO 9001:2008, a Portuguese standard concerning the manufacture of wood products and furniture. Regarding the environment, it is certified by NP ISO 14001:2004 for the manufacture of wood products and furniture. It is also certified by OSHAS and NP 4397 - Health and Safety at Work.

# BUSINESS AREAS

The provision of services and the manufacture of wood-based products meet the strict criteria of environmental awareness and social responsibility of the dst group.

CONSTRUCTION

Front doors, plain and decorative interior doors, wardrobes, windows, shutters and swing shutters. Window and door frames, trims, skirting boards, ceilings, floors, roofs and porches. tmodular provides a full indoor carpentry service, which encompasses a range of skills such as interior design and the development of bespoke solutions, including manufacture, assembly and after-sales service.

- Residential buildings,
- Public buildings,
- Commercial buildings,
- Industrial buildings,
- Sports buildings,
- Historic buildings,
- Hotels,
- Healthcare facilities,
- Schools,
- Landscaping,

FURNITURE

Kitchens, bedrooms, wardrobes and shelves. WC cabinet, desks, shoe racks and sideboards.
The tmodular design office caters for all types of furniture for every room in the house, dispensing with having its own line. It works alongside its clients to create customised solutions, according to the needs and specifications of each project.




# portfolio

commercial and service buildings



# DECATHLON

Setúbal, Braga, Torres Vedras e Leiria

The aim of building the new commercial building and distribution warehouse was to concentrate operations to better serve all Decathlon stores in the country.
The project comprises large halls and was orientated to maximise the logistics flow, alongside the opening of a new store in the city of Setúbal.

**Work done:**

- Lockers;
- Benches;
- Phenolic screens;
- Stools;
- Interior frames;
- Counters;
- Deck.

Client: dst, s.a.
Cost: 44 970,00€ - Setúbal
Year: 2012


# MCDONALD'S

Carnaxide

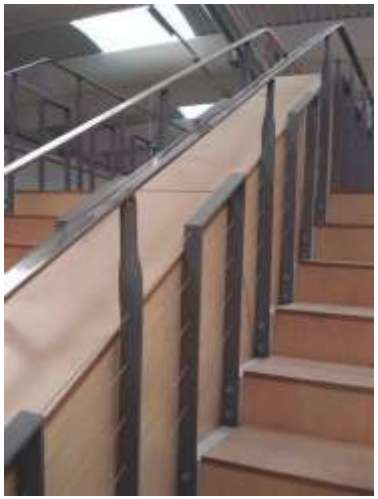
McDonald's restaurant .

**Work done:**

- Frames;
- Interior furniture.

Client: Sistemas McDonald's Portugal, Lda
Cost: 51 034,68€
Year: 2007






# MOVIFLOR

Caldas da Raínha

Commercial building with an area of around 3000 $m^2$.

**Work done:**

- Wall cladding,
- Skirting boards,
- Floating floors,
- Interior frames,
- Cupboards,
- Benches,
- Counters,
- Stools,
- Desks.

Client: dst, s.a.
Cost: 164 101,04€
Year: 2009


## CONTINENTE BOM DIA - CELEIRÓS

Braga

Construction of a new store for the Continente hypermarket chain.

**Work done:**
- Floors,
- Lettering-support grille,
- Interior frames,
- Phenolic screens.

Client: dst, s.a.
Cost: 25 454,35€
Year: 2012

## CONTINENTE

Barreiro, Lamego, Évora.

The Barreiro Continente is a shopping centre with approximately 40,000 $m^2$ that includes the building, accesses and outdoor landscaping.

**Work done:**
- Interior frames,
- Skirting boards,
- Wall cladding,
- Phenolic screens.

Client: dst, s.a.
Cost: 75 793,81€
Year: 2010

## LEROY MERLIN

Maia

Construction of a new store for the Leroy Merlin DIY and gardening chain.

**Work done:**

- Interior frames,
- Phenolic screens,
- Kitchen cupboards,
- Various jobs.

Client: dst, s.a.
Cost: 20 809,69€
Year: 2010


## MODELO

Barcelos, Montelevar e Lixa.

Construction of a new store for the Modelo hypermarket chain.

**TWork done:**

- Interior frames,
- Exterior frames,
- Wall cladding,
- Phenolic screens.

Client: cari - construtores, s.a.
Cost: 22 940,42€
Year: 2009


# BOLAMA

Joane

The construction of the new Bolama supermarket comprised a multi-purpose building,
with different areas distributed across three floors; these include a car park and warehouses, commercial area with shops, and offices.

**Work done:**

- Ceilings,
- Wall cladding,
- Interior frames,
- Phenolic screens,
- Changing room seating.

Client: cari - construtores s.a.
Cost: 45 652,01€
Year: 2010


## LIBERTY STREET FASHION

Braga

Pthis project was designed by architect Gonçalo Byrne. The complex has a total gross area of 12,000 $m^2$, spread across four buildings. In addition to the commercial component, it comprises a luxury residential development, with an approximate gross area of 4000 $m^2$. The complex includes an underground car park with space for 300 vehicles.

**Work done:**
- Decking,
- Phenolic screens,
- Outdoor seating.

Client: dst, s.a. / ABB, s.a. / Britalar, s.a.
Cost: 106 180,65€
Year: 2013

## DST GALLERY

Braga

Creation of a space entirely devoted to arts and culture.

**Work done:**
- Wall cladding,
- Cupboards,
- Furniture,
- Counters.

Client: dst, s.a.
Cost: 41 549,00€
Year: 2013

## DST RESTAURANT

Braga

Refurbishment of restaurant from the dst group.

**Work done:**
- Ceilings;
- Furniture.

Client: dst, s.a.
Cost: 27 430,0€
Year: 2013

## DATA CENTER DST

Braga

Renovation of building.

**Work done:**
- Phenolic screens
- Furniture;
- Interior frames;
- Pantry furniture.

Client: dst, s.a.
Cost: 22 460,56€
Year: 2013

## PÃO DE AÇÚCAR

Barreiro, Lamego, Évora

Client: dst, s.a.

Cost: 17 392,26€

Year: 2009

## AQUAPORTIMÃO

Portimão

Client: bysteel, s.a.

Cost: 17 500,0€

Year: 2011

## STAPPLES OFFICE CENTRE

Sintra, Palmela e Torres Vedras

Client: dst, s.a.

Cost 8 305,13€

Year: 2010

## RETAIL PARK DE ÉVORA

Évora

Client : dst, s.a.

Cost: 10 100,56€

Year: 2011

# portfolio

## sports buildings


# SWIMMING POOLS

Vila Praia de Âncora

The Vila Praia de Âncora municipal swimming pool occupies an approximate total area of 12,882 $m^2$, with cutting edge technology.
The pool has eight lanes, two of which can be extended to Olympic size to allow for professional training. There is also a children's pool.
The complex has a jacuzzi, gym, sauna and Turkish bath, massage rooms, two workout studios, squash court, and, outside, a tennis court and car park.

**Work done:**
- Wall cladding,
- Decking,
- Solid wood floors,
- Stair cladding,
- Interior frames,
- Phenolic screens,
- Cupboards,
- Skirting boards,
- Counters,
- Lockers,
- Changing room seating.

Client: dst, s.a.
Cost: 181 707,12€
Year: 2009

# RIO COVO SANTA EULÁLIA SPORTS COMPLEX

Barcelos

Construction of a sports complex.

**Work done:**

- Cupboards;
- Skirting boards;
- Changing room seating;
- Phenolic screens;
- Interior frames.

Client: dst, s.a.
Cost: 7 528,85€
Year: 2010

# FIGUEIRA CASTELO RODRIGO MULTI-PURPOSE PAVILLION

Ponte de Lima

This leisure facility has an area of about 2000 $m^2$, which is available to everyone for a variety of events.
It comprises a large central area paved with granite, which serves as a multi-purpose area and includes an amphitheatre, surrounded by a green space.
All this contemplates urban furniture.

**Work done:**

- Solid floors,
- Skirting boards,
- Interior frames,
- Counters,
- Benches,
- Wall cladding,
- Phenolic screens,
- Lockers.

Client: Constructora Sanjose, s.a.
Cost: 88 908,04€
Year: 2011

# portfolio

schools

# JOSÉ RÉGIO SCHOOL

Vila do Conde

This redeveloped school has 63 classrooms and eight blocks, three of which are new buildings – two connecting buildings between the classrooms blocks, which comprise ancillary and departmental rooms, and a new workshop building.

**Work done:**

- Skirting boards,
- Phenolic screens,
- Interior frames.

Client: dst, s.a.
Cost: 84 496,03€
Year: 2009

# D. MARIA II HIGH SCHOOL

Braga

The aim of this development was to build six new school buildings and to refurbish two existing buildings, to ensure the improvement of the school infrastructures and the expansion of the school network.
It thus included providing the school with the most sophisticated means and cutting edge technology available.

**Work done:**

- Interior frames,
- Lockers,
- Phenolic screens,
- Wall cladding,
- Panelling,
- Furniture,
- Counters.

Client: FCC Construction, s.a. / Graviner, s.a.
Cost: 344 604,43€
Year: 2010

# FONTES PEREIRA DE MELO SCHOOL

Porto

The refurbishment of this school, which has a strong professional technical education component, required doubling the amount of construction and significantly improving the surrounding outdoor spaces.
An administrative and social building was built, and the workshops underwent major refurbishment.
The project further includes new social and educational support areas, as well as rooms for the board, administration and management, such as a registrar's office and a head office. In addition to these new areas, the school has general ancillary spaces comprising completely new kitchen, bar and canteen, along with a school shop.

**Work done:**
- Interior frames,
- Cupboards,
- Wainscoting,
- Phenolic screens,
- Industrial parquet,
- Skirting boards,
- Staircase handrail,
- Decking.

Client: FCC Construction, s.a. / Graviner, s.a.
Cost: 261 551,40€
Year: 2010

# QUINTA DO VIEIRA PRIMARY SCHOOL

Custóias - Matosinhos

The Quinta da Vieira Primary School is a new build, equipped with two rooms for pre-school and 10 rooms for primary school education, plus all the ancillary structures (cafeteria/multi-purpose room, library, staffroom, playground and playing field).
This elementary school serves the parish of Custóias, and comprises an educational/teaching establishment.

**Work done:**

- Wall cladding,
- Interior frames,
- Technical cupboards,
- Work benches,
- Bookshelves,
- Skirting boards,
- Stools.

Client: cari - construtores, s.a.
Cost: 55 710,22€
Year: 2010

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# PADRÃO DA LÉGUA PRIMARY SCHOOL

Matosinhos

New build kindergarten and primary school, located in Padrão da Légua, in Matosinhos.
It comprises 13 classrooms, a canteen, library and gym, all on a single level.

**Work done:**

- Skirting boards,
- Stands,
- Interior frames,
- Cupboards.

Client: cari - construtores s.a.
Cost: 45 000,00€
Year: 2011

# PRAIA DE LEÇA DA PALMEIRA PRIMARY SCHOOL

Matosinhos

This project was designed by architect Ana Crista. The construction area of this new exposed concrete building is 1815 $m^2$, comprising a ground level (1265 $m^2$), a narrower volume on top (550 $m^2$) and 56 $m^2$ of covered play area, in addition to a corridor connecting the two buildings (77 $m^2$).

**Work done:**

- Façade cladding,
- Interior wall cladding,
- Skirting boards,
- Interior frames,
- Exterior frames,
- Cupboards,
- Lockers,
- Benches.

Client: Telhabel construções, s.a. / J. Gomes, s.a.
Cost: 88 612,73€
Year: 2012





# PINHEIRAL DE CALDELAS SCHOOL

Caldelas

This intervention included the refurbishment and reconversion of some of the existing building, as well as the construction of new modules.
The Pinheiral elementary school has 12 classrooms, a gymnasium with changing rooms, library/ICT, refectory, kitchen, WCs and administrative spaces.
All these areas have been adapted and built to an appropriate scale to suit the needs of the intended population.
The intervention also included the outdoor areas. Existing ones were refurbished and a new playing field, outdoor playground and covered playground were created. All the different school buildings are connected by covered paths.

**Work done:**
- Industrial parquet.

Client: cari - construtores, s.a.
Cost: 19 090,50€
Year: 2012

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## SERRA DO PILAR SCHOOL CAMPUS

Vila Nova de Gaia

The Serra do Pilar School Campus is the new public school complex in Vila Nova de Gaia.
It has an area of 9000 $m^2$ with several spaces, such as a museum, a sports area and a medical teaching block.
The project was designed by architect Joaquim Massena, whose concept for the on campus kindergarten and primary school was inspired by the five senses: touch, smell, sight, hearing and taste.
It follows the notion of rethinking the physical and pedagogical aspects of the education system by combining them with nature and the human senses, so that life is the learning laboratory for the entire educational complex.

**Work done:**
- Floating floor,
- Solid wood floors,
- Wall cladding,
- Skirting boards,
- Interior frames,
- Bookshelves,
- Cupboards,
- Study tables.

Client: Telhabel construções, s.a.
Cost: 169 513,30€
Year: 2010

## FELGUEIRAS HIGH SCHOOL

Felgueiras

Refurbishment through the Parque Escolar (Secondary School Network Modernisation) programme

**Work done:**
- Wall cladding,
- Dado rails,
- Industrial parquet,
- Skirting boards,
- Interior frames,
- Fire doors,
- Window sills,
- Door frames,
- Lintels,
- Cupboards,
- Phenolic screens,
- School furniture.

Client: MRG - Engenharia e Construção, s.a.
Cost: 417 000,00€
Year: 2012

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## ALMEIDA GARRET HIGH SCHOOL

Porto

This project involved the refurbishment of the school through the Parque Escolar (Secondary School Network Modernisation) programme.

**Work done:**
- School furniture,
- Wall cladding,
- Wainscoting,
- Industrial parquet,
- Skirting boards,
- Interior frames,
- Panelling,
- Handrail,
- Phenolic screens,
- Back rests.

Client: dst, s.a.
Cost: 553 528,00€
Year: 2011

## UBI MEDICAL BUILDING

Covilhã

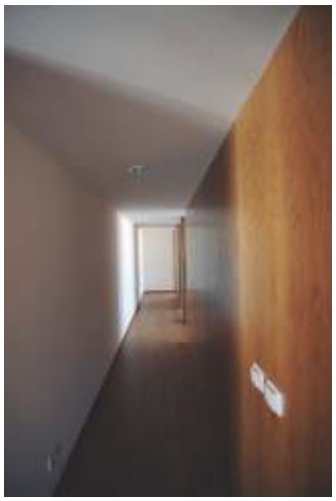
Construction of the biggest scientific infrastructure in the Portuguese interior region.

**Work done:**
- Panelling,
- Interior frames,
- Cupboards.

Client: Telhabel Construções, s.a.
Cost: 38 122,27€
Year: 2012

# portfolio

## residential buildings



# SANTA FÉ HOUSE

Vila do Conde

The Santa Fé house is located near the beach, which provides ideal conditions to build a multi-family residential and commercial building. The building consists of an existing house, which underwent renovation works, and two new annexes.

**Work done:**

- Floating floor,
- Skirting boards,
- Interior frames,
- Technical cupboards,
- Wardrobes,
- Kitchens,
- Wall cladding,
- WC cupboards.

Client: cari - construtores, s.a.
Cost: 305 289,44€
Year: 2010

# SALGUEIRAL BUILDING

Guimarães

Seven housing blocks nestling in an almost natural depression, away from a busier road on the upper level.
It has six floors containing 84 apartments, some of which are duplex.
The network of stairwells, which are simple, concave and convex, allowed the modulation of left/right sections in order to solve some problems of the terrain: proximity to power lines, water courses, skewed landscapes.

Client: dst, s.a.
Year: 2003

# DETACHED HOUSE

Braga

Kitchen refurbishment in a detached house.

**Work done:**

- Kitchen furniture.

Client: private

Year: 2009

## DOMUS SOCIAL - BAIRRO DE CONTUMIL

Porto

The project consisted of exterior maintenance and repair works on three buildings in the Bairro de Contumil. The intervention also included common areas, thus creating an improved image, combined with better comfort and functionality.

**Work done:**
- Apartment front doors.

Client: cari - construtores, s.a.
Cost: 113 212,00€
Year: 2009

## RENOVATION OF THE DOURO BUILDING

Porto

Revitalising Porto's historic centre and creating a centre of creativity and innovation for young designers were the main objectives of Palácio das Artes – Fábrica de Talentos, a Youth Foundation project that renovated the Douro Building.

**Work done:**
- Wooden handrail,
- Interior frames,
- Refurbishment of interior frames,
- Wall cladding,
- Stair cladding,
- Cupboards and skirting boards.

Client: Construções Sanjosé, s.a.
Cost: 92 406,99€
Year: 2008

# KITCHEN REFURBISHMENT

Braga

Kitchen refurbishment in a detached house.

**Work done:**

- Kitchen furniture.

Client: private

Year: 2009

# KITCHEN REFURBISHMENT

Braga

Kitchen refurbishment in a detached house.

**Work done:**

- Kitchen furniture.

Client: private

Year: 2009

# HOUSING COMPLEX

Curdistão - Iraque

As part of its internationalisation, tmodular gained an opportunity to export its products as a result of this venture.
The project involved the renovation of a housing complex, in order to make it more modern and appealing.

**Work done:**
- Kitchens and wardrobes, a total of 20 kitchens and 52 wardrobes.

Client: wim, Lda
Cost: 155 000,56€
Year: 2013

# REFURBISHMENT OF THE 5th FLOOR OF THE TRINDADE BUILDING

Porto

The Trindade – Domus Building is a modern and multifunctional building for services and commerce, including offices and shopping arcade. This project involved the refurbishment of the 5th floor to improve its functionality.

**Work done:**

- Interior frames.

Client: dst, s.a.

Cost: 5 928,21€

Year: 2013

# portfolio

## historic buildings

# THEATRO CIRCO

Braga

Renovation comprising the restoration of the entire property, with full consideration for its architecture and the strengthening and consolidation of the structure and its safety.
The aim was to convert the Theatro Circo into a large cultural complex, fully kitted out with state-of-the-art sight and sound technology in order to respond to the needs of contemporary art in its many dimensions.
In addition to the main room, with a capacity of 899 seats, the facility was supplemented with two new rooms: a small auditorium with 236 seats and a rehearsal room.
Its capacity was further increased in the ancillary areas with the provision of new dressing rooms and warehouses.
The project gave back the city a room of unusual grandeur and architectural beauty, almost unrivalled by any other room in Portugal or Europe.

**Work done:**
- Floor;
- Wall and stair cladding;
- Dressing room partitions;
- Technical cupboards;
- Interior frames and acoustic interiors;
- Handrail;
- Bar furniture;
- Cupboards;
- Fire safety cabinet;
- Counter.

Client: dst, s.a.
Cost 264 724,50€
Year: 2005

# CASA DAS ARTES DE FELGUEIRAS

Felgueiras

Renovation and refurbishment of the Fonseca Moreira Theatre to transform it into the Casa das Artes de Felgueiras – theatre and live music café.
The theatre has a room with seating for about 300 spectators, with a 120 $m^2$ stage, workshops, dressing rooms for 24 artists, exhibition room in the large foyer, and a live music café, which occupies the space of a former auto-repair shop.

**Work done:**

- Solid floor,
- Stair, ceiling and wall cladding,
- Interior frames,
- Phenolic screens,
- Technical cupboards,
- Cupboards with shelving,
- Lockers, counters,
- Window panelling.

Client: cari - construtores, s.a.
Cost: 103 666,01€
Year: 2009


# portfolio

## hotels

# HOTEL CARRIS

Porto

Hotel Puerto Carris Ribeira is the result of the restoration and refurbishment of five Romanesque buildings, which were resized to accommodate the current four-star hotel. Designed in harmony with its surroundings, the building is characterised by contemporary décor and features 90 bedrooms and 10 suites.

**Work done:**

- Restoration of exterior window frames;
- Wall cladding;
- Ceilings;
- Interior frames;
- Cupboards;
- Wardrobes;
- Skirting boards;
- Bookshelves;
- Counters;
- Restaurant and cafeteria furniture.

Client: cari construtores, s.a.
Cost: 355 650,00€
Year: 2010

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# INATEL HOTEL IN VILA NOVA DE CERVEIRA – REFURBISHMENT

Vila Nova de Cerveira

Refurbishment of the INATEL hotel and spa in Vila Nova de Cerveira.
The building comprises 100 rooms, including 4 suites, 32 single rooms and 6 double rooms.

**Work done:**

- Decking;
- Solid floor;
- Wall cladding;
- Skirting board;
- Wainscoting;
- Interior frames;
- Wardrobes;
- Counters;
- Cupboards;
- Furniture.

Client: Costa & Carvalho, s.a.
Cost: 200 000,00€
Year: 2011

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# HOTEL MERCURE - BRAGA CENTRO

Braga

Hotel project comprising the interior refurbishment of the existing 132 bedrooms and common areas of the former hotel Turismo, in Braga, to house a hotel with a new name – Hotel Mercure Braga Centro. The work was undertaken while the hotel was open for business.

**Work done:**

- Skirting boards;
- Ceilings;
- Wall cladding;
- Interior frames;
- Wardrobes;
- Cupboard fronts;
- Bedside tables;
- Headboards;
- Benches;
- WC furniture;
- Counterss.

Client: cari - construtores, s.a.
Cost: 207 494,08€
Year: 2012

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hotels

# HOTEL SANTA JUSTA

Lisboa

Reconstruction and restoration of a building in the Baixa area of Lisbon, to turn it into a four-star business hotel with 55 rooms across six floors.

Client: cari - construtores, s.a.
Cost: 2 407,61€
Year: 2012

## APARTHOTEL MAGNÓLIAMAR

Tróia

Renovation undertaken to tailor the unit to market requirements.

**Work done**:

Kitchens, ceilings, deck, counters, interior frames, cupboards, wardrobes, WC cupboards, panelling, skirting board, stair cladding, exterior frames, shelves, stools, phenolic screens and lockers.

Client: Sociedade de Construções Soares da Costa, s.a.
Cost: 448 291,35€
Year: 2008

## APARTHOTEL TULIPAMAR

Tróia

Renovation undertaken to tailor the unit to market requirements.

**Work done**:

Kitchens, ceilings, deck, counters, interior frames, cupboards, wardrobes, WC cupboards, panelling, skirting board, stair cladding, exterior frames, shelves, stools, phenolic screens and lockers.

Client: Sociedade de Construções Soares da Costa, s.a.
Cost: 878 736,01€
Year: 2008

## HOTEL TURISMO DO MINHO - REFURBISHMENT AND EXPANSION

Vila Nova de Cerveira

The unit underwent a refurbishment and expansion project, as well as complete rebranding.
The project includes the construction of a spa, business centre, in addition to the refurbishment of all bedrooms and the improvement of some of the hotel's social areas.

**Work done**:

Roofing, ceilings, interior and exterior wall cladding, floors, industrial parquet, decking, skirting boards, cupboards, fixed furniture, guards, wooden steps, and interior frames and exterior frames.

Client: Habitâmega, s.a.
Cost: 342 500,00€
Year: 2012

# portfolio

## industrial buildings

# TENSAI

Estarreja

New build industrial unit, which was a 22.6 million euros investment by Tensai, a Portuguese family business dedicated to the manufacture of domestic refrigeration equipment and others.
This development in Estarreja is part of a restructuring of Tensai's operations.

**Work done**:
- Phenolic screens;
- Floating floor;
- Interior frames;
- Wall cladding;
- Furniture;
- Cupboards.

Client: dst, s.a.
Cost: 121 229,68€
Year: 2009

# EMBRAER

Évora

This development extended over more than 60,000 $m^2$.
The covered area comprised two factories, two ancillary buildings and two office buildings.

**Work done**:
- Interior frames;
- Wall cladding;
- Phenolic screens;
- Cupboards.

Client: dst, s.a.
Cost: 114 673,85€
Year: 2011






# CONVERDE INDUSTRIAL UNIT

Cantanhede

First industrial unit producing a new biological fungicide by processing lupine seed through innovative methods in a worldwide pioneering project.
The facilities in Converde in Cantanhede occupy an area of 48,000 $m^2$, of which 17,000 $m^2$ are covered area, divided into three blocks.

**Work done**:
- Phenolic screens;
- Wall cladding;
- Interior frames;
- Various furniture.

Client: dst, s.a.
Cost: 56 446,71€
Year: 2013

# SUAVECEL - OFFICES

Viana do Castelo

Refurbishment of existing facilities for future offices, by adapting spaces to the new functions of Suavecel, a paper manufacturing industry.

**Work done**:
- Interior frames;
- Wall cladding;
- Phenolic screens;
- Cupboards;
- Skirting boards;
- Wooden handrail;
- Office furniture;
- Pantry furniture;
- Reception desk.

Client: cari construtores, s.a.
Cost: 26 479,69€
Year: 2013

## PAVILION – ADAÚFE INDUSTRIAL PARK

Évora

Client: dst, s.a.

Cost: 2 619,19€

Year: 2013

## EVERJETS – HANGAR AND ADMINISTRATIVE BUILDING

Évora

Client: dst, s.a.

Cost: 29 000,00€

Year: 2013

## SANTARÉM MEAT PROCESSING PLANT

Santarém

Client: dst, s.a.

Cost: 3 133,28€

Year: 2013

## CONTINENTAL MABOR

Famalicão

Client: dst, s.a.

Cost: 3 035,00€

Year: 2013

## FTO – REQUALIFICATION AND EXPANSION OF THE INDUSTRIAL UNIT

Évora

Client: cari - construtores, s.a.

Cost: 4 864,26€

Year: 2010

## UPONOR

Évora

Client: dst, s.a.

Cost: 66 085,88€

Year: 2009

# portfolio

## public buildings

# DESIGN INSTITUTE

Guimarães

The Instituto do Design is a new facility in Guimarães. It is located in the Zona de Couros, specifically in the old Ramada tannery; the building underwent significant works with a view to renovating it under the Campurbis project, which was the result of a partnership established by the local council and which the University of Minho is part of. Its aim is to function as an open knowledge centre and a privileged communication platform between industry and academia, with a view to developing the economy through design and similar projects.

**Work done**:
- Interior frames;
- Exterior frames;
- Skirting boards;
- Phenolic screens;
- Cupboards.

Client: cari - construtores, s.a.
Cost: 148 805,33€
Year: 2011

# GNRation

Braga

Under the scope of the European Youth Capital Braga2012, the former GNR building, right in the heart of the city, underwent careful refurbishment in order to serve as the European Youth Capital headquarter. A modern building, which aimed to cater for the arts and performance, was born in the city centre.

**Work done**:
- Restoration of all existing interior and exterior windows;
- Restoration of the indoor wooden staircase.

Client: dst, s.a.
Cost: 41 789,79€
Year: 2012


# FARO AEROPORT

Faro

The reconstruction of the check-in room no. 2 at Faro Airport, intended for Ryanair boarding operations, improved its accessibility and functionality, providing it with more space and organisation.

**Work done**:
- Viroc installation.

Client: dst, s.a.
Cost: 90 660,00€
Year: 2012

## SOUSA WWTP

Lousada

Located in the parish of Lodares, Lousada, this infrastructure is designed to handle approximately 11,193 $m^3$/day of domestic and industrial effluents.
The construction of this important new facility aims to improve the quality of surface waters in the region, since the infrastructure will be capable of more efficient water treatment.

**Work done**:
- Cupboards, lockers, changing room seating, counter, office furniture and kitchen furniture.

Client: dst, s.a. / conduril, s.a.
Cost: 15 066,00€
Year: 2011

## CÁVADO-HOMEM WWTP

Vila Verde

The Cávado-Homem WWTP ensures proper treatment of urban waste water in the municipalities of Amares and Vila Verde, contributing decisively to the protection of the water resources of the Cávado river basin.

**Work done:**
- Interior frames.

Client: dst, s.a. / conduril, s.a.
Cost: 17 217,20€
Year: 2013

## TOMAR TAX OFFICE

Tomar
Client: Constrope Construções, s.a.
Cost: 34 479,51€
Year: 2008

## MINHO LINE – TROFA BYPASS

Vila Verde
Client: dst, s.a.
Cost: 4 534,76€
Year: 2010

## CASA DOS MAGISTRADOS

Barcelos
Client: dst, s.a.
Cost: 1 070,00€
Year: 2010

## AGERE REFURBISHMENT

Braga
Client: dst, s.a.
Cost: 1 731,00€
Year: 2012

## PEDROGÃO ELEVATION SYSTEM

Client: dst, s.a.
Cost: 1350,00€
Year: 2012

## CVO BRAGA – UNIT FOR MECHANICAL AND BIOLOGICAL TREATMENT OF WASTE

Braga
Client: dst, s.a.
Cost: 1 750,00€
Year: 2011

# portfolio

## healthcare buildings

# PONTE DE LIMA HOSPITAL

Ponte de Lima

Renovation and expansion of the Basic Emergency Services (Serviço de Urgência Básica - SUB) of the Conde Bertiandos Hospital, in Ponte de Lima.
The project contemplated a functional, formal and volume modification of the building in order to expand the facilities and eliminate space and coordination problems between the different hospital services.

**Work done:**
- Phenolic screens;
- Fixed furniture.

Client: cari - construtores, s.a.
Cost: 80 158,61€
Year: 2009

## PRELADA HOSPITAL

Porto

Refurbishment and modernisation of the cardiology and internal medicine wards of the Prelada Hospital.

**Work done:**

- Interior frames;
- Panelling;
- Counters;
- Cupboardss.

Client: Joaquim Ferreira dos Santos, Sociedade de Construções, Lda
Cost: 28 399,90€
Year: 2011

## PÓVOA DE SANTO ADRIÃO HEALTH CENTRE

Odivelas

Intended as two Family Health Units, this building is set in an area of 4500 $m^2$; the upper floor has thermally and acoustically treated exterior cladding, while the ground floor has a “bare concrete” finish.

**Work done:**

- Interior frames;
- Cupboards;
- Counters;
- Wall cladding.

Client: cari - construtores, s.a.
Cost: 30 000,27€
Year: 2012

# RAMADA HEALTH CENTRE

Odivelas

The project comprised the construction of a single-storey building in bare reinforced concrete, which included doctor's surgeries and work rooms, separated by two outdoor patios that provide natural lighting for the interior offices, intended for two family health units.

**Work done:**

- Interior frames;
- Cupboards;
- Counters;
- Wall cladding.

Client: cari - construtores, s.a.
Cost: 50 000,00€
Year: 2012

# portfolio

## landscaping

# REGENERATION OF THE RIVER FRONT IN SANTO TIRSO

Santo Tirso

The new footpath on the banks of river Ave, in the city of Santo Tirso, was a project that added value for its inhabitants and visitors; it is characterised by its architectural beauty and careful integration with nature, designed by architect Paulo Santos Pereira.

**Work done:**

- Construction of about 1.4 km of pedestrian and cycling paths, with decking throughout.

Client: dst, s.a.
Cost: 110 559,19€
Year: 2011

# FRANCISCO SÁ CARNEIRO AEROPORT – PEDESTRIAN ACCESSES

Matosinhos

Several works to modernise passenger circulation were undertaken in what is considered to be one of the best airports in Europe, in order to optimise pedestrian boarding access at Francisco Sá Carneiro Airport.

**Work done**:
- Installation of a wooden structure using a pergola.

Client: dst, s.a.
Cost: 7 000,00€
Year: 2011


portfolio
R&D - Research and Development

## Et3 Energetic modular technolgy

keeps, renews & reuses

The Et3 technology simultaneously has energy-related, structural, functional and aesthetic characteristics. This bioclimatic and sustainable structural system takes the form of a mixed wood-glass modular panel, to be used as a slab and/or resistant wall. It comprises passive solar systems that make it energy efficient, thus substantially innovating in terms of prefabricated structural elements. Besides prefabrication, this project focuses on modularity, the evolution of housing, mass production and transportability, contributing to productive optimisation. As an architectural skin, it strengthens its environmental significance in building energy performances, particularly regarding heat transfer, air circulation and natural lighting levels.

## Product

- Bioclimatic mixed wood-glass constructive system;
- Structural, energy-efficient, functional and aesthetic character;
- Shared domain of engineering and architecture;
- Integrates passive and active solar systems.

## Partnerships

- UM – University of Minho
- ISISE - Institute for Sustainability and Innovation in Structural Engineering

## Objective / environmental problem

- Sustainability criteria, responding to new global energy challenges;
- Environmental commitment using integrated solar systems in an innovative way;
- Social and cultural responsibility by narrowing the gap between construction and nature and its renewable resources;
- Economic viability based on a promising business plan;
- Reinventing and recreating new scenarios for the application of sustainable building solutions.

## Specificities and differentiation of the technology

- Prefabrication and easy application and installation;
- Energy, thermal and acoustic efficiency;
- Active solar systems:
  - Combining the potential of daylighting with an expressive side,
  - Making use of the untapped possibilities of resistant glass,
  - By integrating renewable energy strategies, we obtain a radically different prefabricated product for the construction market.

## Other environmental benefits of the technology

- Use of wood: 100% renewable, reduction of transformation consumptions;
- Use of resinous wood: European forestry sector; costs less than tropical ones;
- Use of glass: 100% recyclable, essential in passive solar systems;
- Use of thermal mass with natural materials (local stone, reduction of transport costs);
- Acoustic resistance and noise reduction;
- Reuse of panels in future alternative and/or evolving solutions;
- Opportunities for self-sufficiency: new possibilities for the tourist market.

PRÉMIO INOVAÇÃO edp RICHARD BRANSON







## Tourism and mobility

The ttt transportable tourist tower is an architectural response to the new challenges of the global market, where mobility and multi-functionality are associated with the prevailing socio-economic context and with opportunities in the construction sector.
This tower has 3 floors, with a total height of 9 metres, and provides 30 m2 of floor space to be deployed in 10 m2. It is an autonomous and self-sufficient space, aimed at a new concept of nature tourism. It was designed to be portable and with a low construction impact, therefore it suits natural settings where there are no pre-existing infrastructures. The strategic principles of prefabrication allow industrialisation and control of costs, time and quality of the process and its constructive solution.

## Urbanity and modularity

Since the ttt is a replicable modular unit, it is a quick, innovative and differentiated response to pressure of evolutionary urban solutions. This solution aims to improve the quality of everyday life, ensuring energy efficiency, flexibility, functionality, sustainability of materials and potential for self-sufficiency. The structural versatility of the ttt also allows it to be assembled horizontally, seeing as this is the position in which it is transported. This feature permits modules to be stacked, in layers, generating vertical urban solutions that are ready to occupy and revitalise the urban fabric. Of note is the possibility of increasing the living space, doubling or quadrupling the useful area of horizontal property solutions.

## Sustainability and materiality

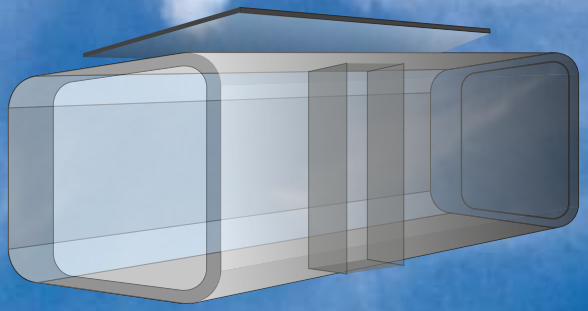
This project optimises the construction processes, reduces waste production and cuts the building's energy consumption. It is based on 3 sustainability vectors: the economic and strategic feasibility of its implementation; environmental commitment through the use of solar systems; and socio-cultural support based on bringing construction in line with nature. The ttt uses a new generation of construction processes, in which wood – 100% renewable – is of key importance, combining historical value and technological image. Glass, which is 100% recyclable, is also essential for the integration of the solar systems developed. The natural lighting enabled by this material contributes to the sustainability indexes and enriches the user's experience and use of the space.

## Energy and construction technology

The ttt transportable tourist tower follows on from another product developed through the dst, s.a./University of Minho partnership – the Et3 Energetic Modular Technology. This technology, which recently received an award at the V edition of the BES National Innovation Competition in the Energy category, can be incorporated into ttt, thus optimising its energy autonomy. Et3 is a structural wood-glass panel, which is industrially produced, modular, versatile and can be used as a slab or as a stable wall. It comprises passive solar systems, active solar systems and bioclimatic functions, which translate directly into energy efficiency and are therefore innovative in terms prefabricated structural elements. Et3 can be used as an end product for new builds or restoration, or as a separate panel in evolving, contemporary and multipurpose constructions.

# transportable tourist tower

The Torre Turística Transportável (Transportable Tourist Tower, or ttt) is a multifunctional project that represents a new concept of habitability; through active and passive solar systems, it combines natural lighting and energy potential. Its modular nature and the materials used therein – wood and glass – ensure reuse, which respects the environment and guarantees a reduced construction impact. The ttt is the result of an innovative and environmentally responsible Portuguese technology.



# Self-Sustainable Module

## A new housing concept

The quest for sustainability, through environmentally friendly systems and techniques, is a constant challenge for engineers, architects, scientists and designers.








AFFORDABLE
It does not require external infrastructures because those that are installed allow autonomous use, thus capitalising on initial costs.

MODULAR
It creates spaces that can be combined and coupled together, according to needs and context.

VERSATILE
It facilitates various uses, from a temporary dwelling to an environmental observatory, from a fire lookout post to a bar or kiosk.

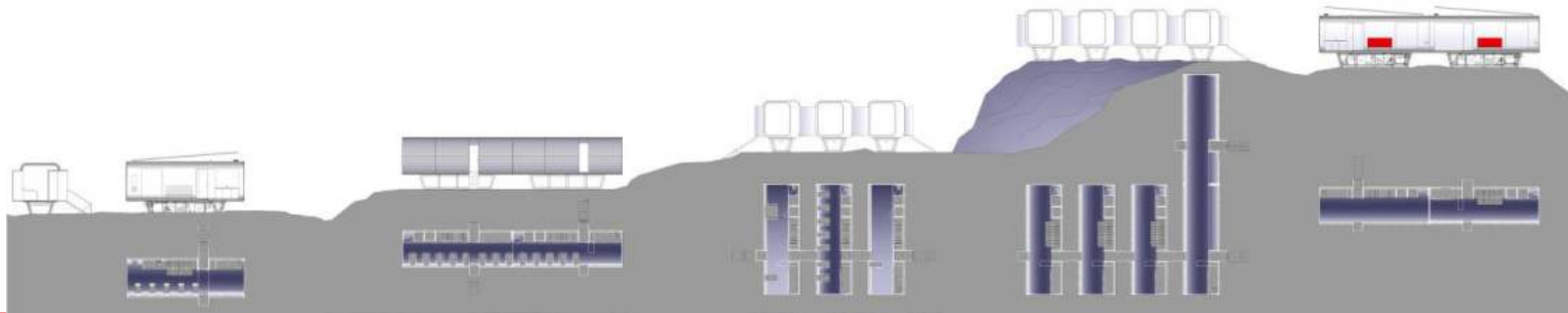
INNOVATIVE
It represents a new form of appropriation of space and a different concept of construction, more akin to an assembly yard than a building site, thus boosting profitability and productivity.

EFFICIENT
It uses state-of-the-art technologies that allow greater control of energy use.

SUSTAINABLE
It has the technical conditions to be self-sufficient in terms of energy, water and other essential elements of daily living.

ENVIRONMENTAL
It uses environmentally friendly materials and alternative energies (photovoltaic panels), which reduce the environmental impact of the construction.

PORTABLE
It allows easy transportation from one site to another.



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Scope:
Design, Development and Manufacture of Wood Products and Derivatives, Furniture and Glass Processing
CERTIFICATE N.º 2006/CEP2714

Scope:
Construction and Public Works, Equipment and Vehicle Maintenance, Manufacture of Wood Products and Furniture.
CERTIFICATE N.º 2007/AMB.0326/1
CERTIFICATE N.º 2007/AMB.0326/2

CERTIFICATE
N.º 2007/SST.0136

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