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General

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13 febrero, 2016 11:06

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<http://portalde.ulma.com>

April 2016



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ULMA HANDLING SYSTEMS

SAPLEX launches its new totally automated logistics system from ULMA Handling Systems

Saplex, a supplier to Mercadona and specialised in the manufacture and sale of rubbish bags launches its new automated warehouse in Canovelles (Barcelona). The solution, designed and developed by ULMA Handling Systems, has enabled the complete automation of all of the company's logistics processes, from the end of the production line to the goods dispatch process.

The ULMA solution is made up of a Multishuttle pallet system, which has five vehicles that enable the automatic storage system to be automated, with sequencing or buffer of materials and

the order preparation system. The solution enables optimal adaptation to any configuration in the warehouse, ensuring the maximum utilisation of storage volume and reducing flow times with respect to a standard compact system.

The internal goods transport system works using an Automated Guide Vehicle (AGV) system. It is a laser-guided vehicle that can transport to a large number of addresses and accumulation locations within the warehouse. Additionally, data is communicated and exchanged through the wireless

network (Wi-Fi), which enables strict control of merchandise traceability.

The automated warehouse enables SAPLEX to obtain significant improvements in efficiency, precision and profitability of its logistical processes and to be operational 24x7.



ULMA ARCHITECTURAL SOLUTIONS

Eneko Ugalde appointed new Director of ULMA Architectural Solutions

The new Director of ULMA Architectural Solutions, **Eneko Ugalde**, is an industrial engineering graduate, has a Master in Business Administration and has developed a large part of his professional career in renewable energy sectors, in cooperative environments as well as in the private sector.

Born in Bergara, Eneko Ugalde has extensive experience in executive roles. He was general manager of **Industrias Gol**, which belongs to **Grupo Alfa**, and business director of the **Matz-Erreka** cooperative, having led industrial implementations at an

international level in countries including USA, Mexico and Romania.

At the forefront of the cooperative, he proposes to continue guiding the organisation towards achieving new international goals, assuming **innovation** as an essential part of ULMA and reinforcing the commitment to **customers, quality** and **continuous improvement**.



ULMA CONSTRUCTION

ULMA in various infrastructure improvement projects planned for the Brazil 2016 Olympic Games

ULMA Construction is participating in various projects related to expanding the Metro network and building the Estaiada bridge; improvement projects included within the infrastructure plan for holding the Río de Janeiro Olympic Games in August.

The Metro extension project includes the **construction of Line 4**, a 16 km line with seven stations between the southern cities of Ipanema and the western area of the city of Carioca, which once completed will transport more than 300,000 passengers per day.

The challenge for the project was to propose solutions that would enable the reuse of products such as ORMA modular formwork, ENKOFORM VMK beam formwork, preassembled Mesa VR slab formwork and the ALUPROP aluminium prop, avoiding the continuous process of assembly and disassembly in each location.

On the other hand, **the construction**

of Estaiada Bridge is one of the most important works in terms of challenge and dimensions. A cable-stayed bridge 72 m high and 320 m long, with inclined pylons, for the construction of which ULMA used the ATR self-climbing formwork system, which can make vertical structures with no need to use a crane.

For the construction of these pylons, ULMA combined the ATR self-climbing formwork system with ENKOFORM VMK beams, thereby complying with the

deadlines together with the highest safety standards.



ULMA PACKAGING

Large increase in visitors to FRUIT LOGISTICA 2016

In the last edition of FRUIT LOGISTICA held in Berlin on 3, 4 and 5 February, ULMA Packaging saw visitor numbers increased by 60% with respect to the previous year.

The horticulture sector is one of the most relevant industries to ULMA Packaging and at the last edition of FRUIT LOGISTICA, and with a large number of visitors, ULMA demonstrated its knowledge and specialisation in fruit and vegetable packaging.

With an extensive range of packaging technologies: Flow Pack (HFFS), Vertical (VFFS), Thermo-sealing and Stretch Film, visitors to the ULMA Packaging stand could see different types of solutions for



a sector that requires its products to be handled delicately.

ULMA Packaging solutions offer a good packaging method that is adapted to each product. With the different technologies, (macro-perforations, micro-perforations, permeable films, etc.), the permeability of the packaging

can be controlled, together with the product's breathing rate, maintaining an optimal balance in gas concentration on the inside. This extends the useful life of the product as much as possible.

ULMA PIPING

The new ULMA Piping destruction testing laboratory, ready to go

ULMA Piping has made significant investments into updating the existing laboratory. In comparison with the above, the new laboratory is in the ULMA Piping forgework building and has the most advanced technologies in:

Mechanical testing: Involves physically testing a portion of the material with the aim of determining its properties (resistance, ductility, durability, etc.).

Metallography – Materialography: The technique that studies the micro-structural or elemental characteristics of a metal, which are also intimately related to physical, chemical and mechanical properties. It is not just a basic tool for classifying metals, it is also for polymer, ceramic materials and the different possible combinations of compound materials. This is why it also has the name Materialography.

Chemical Analyses: This technique is used to determine the chemical composition of a material; in other words, it offers information about the different elements present in the sample analysed. This makes it possible to determine the major and minor components and/or traces of elements in different types of materials.

Corrosión: Material corrosion and ageing tests, under the customer's specifications, Spanish and international standards.



One of the objectives of the 2016-2017 certification plan is to begin the process of obtaining ISO 17025 accreditation. Customers increasingly more often require that ULMA uses laboratories that have ISO 17025 accreditation, thus the importance of certifying the new laboratory.

ISO 17015 is an international standard developed by the ISO (International



Standards Organisation), which establishes the requirements that testing and calibration laboratories must comply with. It is a quality standard based on



a series of ISO 9000 quality standards. Although this standard has many aspects in common with the ISO 9001 standard, it is distinguished in that the main objective is to provide accreditation of entities' testing and calibration competence, by the corresponding regional entities. The standard is applied by testing and calibration laboratories with the aim of demonstrating that they are technically competent and capable of producing technically valid results."

ULMA CONSTRUCTION

BIRAMAX, innovation in circular formwork

BIRAMAX is the latest innovation in the field of circular formwork, which came about with the seal of new ULMA Construction products, focused on facilitating the use, flexibility and modularity of each of the company systems.

Development is focused on the search for an adjustable formwork that is easier to assemble and more profitable in terms of use and durability. The result is a safe and effective product that can be used for

building curved walls that have different radii.

With BIRAMAX, ULMA Construction reinforces its range of circular formwork together with ENKOFORM VMK and ENKOFORM V-100 formwork for building circular walls with fixed or variable radii on structures and installation such as water tanks, deposits and tunnels."



ULMA CONVEYOR COMPONENTS

STROC project for the OCP

Moroccan engineering firm STROC awarded ULMA Conveyor Components a contract for the supply of rollers and supports for treating phosphate for the OCP in Morocco. The project is for the new MZINDA mine in the OCP Youssoufia complex.

OCP Youssoufia extracts and processes phosphate from the Gantour deposit. It extends 125 km from east to west and 20 km from north to south. Its reserves are estimated at 31 million m³, which represents 35% of the country's recognised reserves. The phosphate in the region is transported by rail to Safi to supply fertiliser and phosphoric acid plants. A fraction of the production is exported via the Safi, Jorf Lasfar and Casablanca mineral ports. The potential for production in the entire region is 7 million tonnes of mineral per year.

The Youssoufia employs 1,731 people, of whom 60 are engineers and 499 are supervisors. The Youssoufia area forms the western part of the Gantour Basin and the deposit is operated by the Youssoufia centre including the Mzinda and Bouchane areas with open-air mining extraction. The deliveries to the improvement facilities and export ports are made on 60-wagon trains with a 3,800 tonne capacity.

The end customer, OCP, with which ULMA Conveyor Components has a roller replacement contract, is the main

global phosphate producer. OCP has embarked on an ambitious project to double its extraction capacity and triple its processing capacity by 2020. To achieve this it has an investment plan approved for 115 billion Moroccan dirham (around 1 billion euros)

The plan includes the creation of three new mines in Khouribga. One of the keys is in the new "pipeline" that unites Khouribga with the treatment plant in Jorf Las Far. Up until now the phosphate has been transported by rail. This method reduces transport cost from 8 USD per tonne to 1 USD per tonne."



ULMA PACKAGING

ULMA Packaging launches a new website for the Latin American market: www.ulmapackaging.com.mx



We are very proud to present the new ULMA Packaging website. With the aim of continuing to maintain close contact with current and prospective customers in the Latin American market, a website has been created that is totally dedicated to meeting the needs of these users, so that they can find information about ULMA quickly and securely.

You are invited to browse the site

to discover local and international news, applications aimed at the different sectors, machinery and equipment for different packaging technologies, as well as the innovations from the ULMA Packaging universe."

Further information:

www.ulmapackaging.com.mx

ULMA ARCHITECTURAL SOLUTIONS

ULMA Architectural Solutions are present in the Campofrío pizza factory, with the new range of stainless steel industrial drainage

ULMA Architectural Solutions has collaborated on this project by supplying an extensive range of stainless steel **drainage systems**, which include a selection of products such as sinks and modular canals, specialised for these types of industrial applications.

Campofrío has a plant of around 50,000 m² in Ólvega (Soria) with the most advanced technology for manufacturing pizzas, which makes it the largest factory in Spain and one of the largest in Europe for pizza production.

STAINLESS STEEL RANGE

There is a new drainage solution called Hygienic-Pro® by Blücher in the stainless steel range. It has modular canals with inclines incorporated and a drain in the sink, completely made from stainless steel, it includes a solids basket and fully removable siphons

with the Edge Infill (frames filled with resin and to reinforce the canal and sink edgings for eliminating vacuums, avoiding bacterial growth, etc.); and with the Hygienic-Pro® grille, designed to facilitate cleaning, especially indicated for industrial processes in which a large quantity of solid wastes is generated, in addition to guaranteeing good mechanical behaviour when used with machinery.

These factors have been essential for selecting this complete solution, and therefore, for winning the project, thus perfectly meeting the needs and concerns of the customer on the matter of quality, health and mechanical resistance."



ULMA AGRÍCOLA

Project 6 Ha has been carried out by ULMA Agrícola in Bajo Mexico



At the end of 2015, ULMA Agrícola delivered a 6 Ha project for an important horticulture producer in Bajo Mexico. The installation is for a large company that produces tomatoes, cucumbers, pumpkins and bell peppers mainly destined for the Mexican market.

This producer had previously placed its trust in ULMA Agrícola for another project in 2012, when it installed a hectare of Arin model greenhouses, the structure of which is also known as the tropical structure.

The Arin model greenhouse installed by ULMA Agrícola is characterised mainly for having fixed ventilation that allows continuous and greater air renewal inside the greenhouse and the incorporation of balconies on the sides to minimise the "edge effect" and strengthen the structure, thus obtaining a light, strong and reliable structure."



ULMA HANDLING SYSTEMS

The CINFA laboratory is working together with ULMA to immerse into the new INDUSTRY 4.0 industrial era



ULMA Handling Systems will implement its supervisor system in the CINFA pharmaceutical laboratory, which will enable it to immerse in the industry of the future as a clear example of the new industrial revolution (INDUSTRY 4.0).

The ULMA supervisor system will provide CINFA with a central view of the warehouse, including the mechatronic part as well as the logistics installation software processes, providing the option to connect through the cloud. With these advances, the CINFA laboratory will optimise the elements and essential indicators when supervising control of the installation.

All of this provides access to leading-edge visual analysis information and tools, with a user-friendly interface for quick resolution of the incidents generated in the customer's installation and better and more accurate decision-making. ULMA thus guarantees quality and reliability through the services it offers.

Additionally, the ULMA supervisor system also offers a front end adapted to future technologies. This adaptation enables the customer to access the information generated in the different processes and the equipment in the installation from any mobile device or web browser."

ULMA PIPING

The new Packaging forgers

This story began almost a year ago. ULMA Piping received a request for quite a unique part. It was some time ago that we searched for tracks on forged parts that are (apparently) used in oil extraction applications, and the outcome was a similar part called a "Tubing Hanger".

In some ways, it seems that it was used to provide rigidity to long tube stretches in underwater applications and, at the same time, to guide the small tubes and cables. It was kind of based on "hearsay" and on what others said, because to tell the truth, this type of part is still strange, for an application that is also strange and for a world that is even stranger still.

The request was understood as an opportunity. And for some time we attempted to get in on the act of extraction or so-called "upstream" applications. The company also undertook to manufacture two parts for them.

These parts were made from quite special material (Inconel 718, technically speaking), which requires special processes in forging as well as machining.

The first tests were carried out in the Lazkao Forge, in a new process (at least for us) of free forge. Although in the development and machining phases it became clear that help was required. The process required special operations for the threading

and drilling. We then thought of our friends at ULMA Packaging and went to them for help.

And in this we express profound gratitude to the entire MACHINING and PACKAGING team. And specifically to Xabier Igartua, Xabier Lazkanoiturburu and Iker Galdos. It was not our intention to create headaches and snags (and I hope everyone reading this will forgive me for not giving more details). The work completed and the dedication was impressive. The support provided was excellent. You helped us so much!

With the efforts of working and working, eventually the works were completed six months after the customer sent the accreditation certificate! The months did not go by so easily but, like all stories that end well, the outcome was excellent.

And speaking of excellence, ULMA Piping believes that it will be appropriate to express appreciation to our PACKAGING friends. Thus, on 21 January, Thursday, a group of participants in the project enjoyed a grand dinner at the Nekazarien Elkartea society in Oñati. Here is a photo that immortalises the dinner that night. 'Mila esker' (thank you very much) to our colleagues from packaging!."



ULMA FORKLIFT TRUCKS

The ULMA Forklift Trucks online SAT, a reference in the sector

ULMA FORKLIFT TRUCKS PHILOSOPHY IS TO AIM TO BE THE CUSTOMER'S PARTNER, PROVIDING MUCH MORE.

In leading brand forklift trucks the quality is a given, but since this is essential, it is not sufficient at any time that the features of the machines tend to be the same. For this reason for many years the philosophy of ULMA Forklift Trucks has been to become the customer's partner, contributing much more: not only the machine they really need but also the best after sales service throughout the entire life.

It is evident that a forklift truck will only be productive if it is in full operation, and an unexpected stop may be fatal. For this reason, the after-sales service provided by ULMA Forklift Trucks is a cornerstone of its strategy. With a network of more than 150 technicians, in its own offices and in a distribution network, ULMA is

right beside the customer to offer an exclusive after-sales service, always under the same quality standards and with the capacity to offer a powerful maintenance service, differentiated by activity and that offers fleet management programmes that maximise productivity.

In recent years ULMA Forklift Trucks has made efforts to orient service as a means of addressing customer relationships in a stable and lasting manner. On this point, mention must be made of the implementation in 2013 of the new online SAT which marks the before and after and which has become a reference for the entire sector. The online SAT provides a unique 24x7 service contact number for any technical query -managed by a specialist-, advice of breakdown and after-

sales information.

With a 60% reduction on administrative procedures during the first year of life, there is a commitment to improvement, which has led to a second phase for further optimisation of the operation utilising technological tools. **Just the fact that a smartphone has been incorporated into the technicians' routine has led to greater integration of the service and making the most of the advantages inherent in its centralisation.**

With these new technologies, information such as contracts, guarantees, repair urgency, quotations, spare part delivery times, etc. are available to technicians in real time, which enables ULMA to offer differentiated service with a focus on being the customer's partner. Who offers more?."



ULMA HANDLING SYSTEMS

Juan Jesús Alberdi, new director of ULMA Handling Systems

Since the beginning of the year, ULMA Handling Systems has been under new management, with Juan Jesús Alberdi Landa as new director.

Juan Jesús has extensive experience in managing large companies as CEO/ General Manager in Grupo Elay, Grupo Cegasa Internacional and ULMA Architectural Solutions.

His management and leadership qualities as well as knowledge of various sectors and of ULMA Group are the main guarantees of success that, no doubt, will positively impact the roles that correspond to the new director.

At the forefront of the company, he proposes to continue guiding the organisation towards achieving the new challenges that the company will face in the coming years, assuming innovation as an essential part of the corporate essence of ULMA and reinforcing the commitment to providing the most appropriate response to each customer.

Also, ULMA Handling Systems wishes to thank Josetxo de Frutos for his work over the years as manager of the cooperative."



ULMA FOUNDATION

Collection of school material for Sahara

During March and April, ULMA Foundation called upon its workers to contribute school material to send to Sahara, specifically to the Tinduf camps where thousands of people live in the open desert.

With the collaboration of the NGO Oñati Hermansoloña (Hermanamientos Solidarios de Oñati), **and directed by José Antonio Urteaga, retired partner of ULMA Packaging**, Hermansoloña has now made several deliveries to Tinduf of different materials such as clothing, footwear and medicines. Now there is a need to send school material, for which we call upon the solidarity of all ULMA workers for this cause. Among everyone, a great deal can be achieved to help the children in these camps.

School material in general: notebooks and paper of all types and sizes, even if they are partly used, are useful if there are unused pages or if they have one side blank. All types of pens, pencils, felt pens, crayons, erasers, pencil sharpeners, cases, rulers, etc. Imagine: everything is welcome in the desert!

There is a special need for backpacks, because the road to get school is long and the children have to walk and therefore backpacks or bags for carrying their things are very useful.

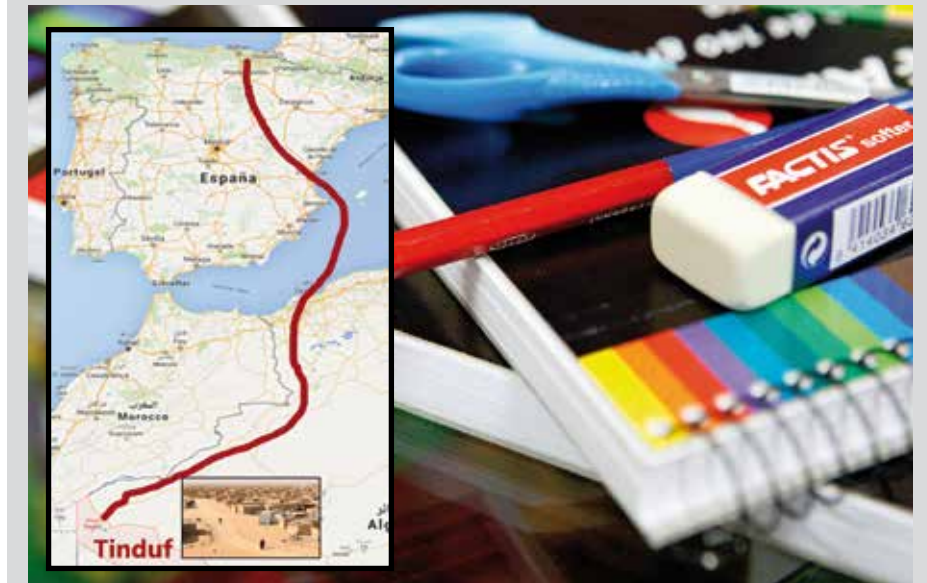
As you can see there is no need

to buy anything; most of us have these things at home or in the office, material that we don't use because we have too much or we have used half of it and don't want to use anymore. Children's crayons that they no longer use, a backpack that has been grown out of, a pencil case that is no longer fashionable, etc.

To facilitate the workers' contribution, ULMA Foundation has placed collection boxes at the entry to the cooperatives and in workers' passage areas and will remain there during the months of March and April so that they can be filled.

They will be collected in the first week of May. And in that same week a Hermansoloña van will take all the material from ULMA directly to Tinduf. These children of the Sahara desert have been told that they will receive school material and can't wait for it to arrive. We can send a great deal of joy if everybody collaborates a little.

A little effort on our part is a great help to them!."



ULMA EMBEDDED SOLUTIONS

ULMA Embedded Solutions has launched a new web site

A new website has been developed that better represents ULMA Embedded Solutions.

The website www.ulmaembedded.com has a more current image, is more dynamic and adapted to the different mobile devices.

The website contains the certifications of the company's work team, the partners with which it collaborates and its target

sectors.

It also shows the services the company offers more clearly and with the support of some of the projects it has developed over the years."



ULMA FOUNDATION

ULMA's "Bidegorriak euskararentzat" project is underway

"Bidegorriak euskararentzat" (Bike Track for the Basque Language) is a sociocultural activity organised by ULMA Foundation and the ULMA Euskera Motivation Team for 2016. The objective of this project is to demonstrate ULMA's commitment to the Basque language among workers and, ultimately, that this commitment is shared with the company and the town of Oñati.

With the slogan "Bike track for the Basque Language" it is hoped to raise

awareness that the Basque language needs a trail, that it needs its own space to breathe, and ULMA would like to make its contribution at an employee level, using the Basque language increasingly more often in its work and opening its own space, given that ULMA is also a part of this ecosystem.

As part of this awareness, on 23 September, partners and workers of all ULMA businesses left work and rode their bikes along the bike track, all

together and in a festive mood, to the Oñati plaza, and there demonstrated the commitment made throughout the year with the Basque language, with banners and other media. And the high point of the party was a concert by KALAKAN."

Additionally, different activities will be organised throughout the year. Here is the scheduled activity programme:

March, April and May:

ULMA is raising awareness about the decalogue of linguistic ecology. Competition of questions and answers about the language, among ULMA workers.

June and July:

There will be reflection about linguistic use at ULMA. The commitments made to the Basque language will be exhibited on banners. The company will involve children and young people from Oñati schools in this theme.

23 September:

Bike track for the Basque language: a bike ride by the different businesses in Oñati to the plaza, along the bike track. Celebratory event, in the Oñati plaza: public performance, Basque music, slackline tricks, banners, etc. Concert with the musical group KALAKAN.



Oñatin, ULMA guztiak bidegorriaren ondoan daude. Bera da lotura. Eta bidegorriaren alboan hor dugu erreka gure ideiak ureztatuz. Lurra ere ondo-ondoan dugu, eta gure kooperatibak sendo sustraitu dira. Hau guztia euskararen ardatzarekin bat egin eta aurrera goaz urterik urte.

Irene Goitia, ULMA Packaging

ULMA GROUP

ULMA Group website receives the 2015 Buber Award

THE BUBER SARIAK AWARDS DISTINGUISHED THE WEBSITE WWW.ULMA.COM AS THE BEST WEBSITE OF THE YEAR IN THE INDUSTRY CATEGORY.

The 13th edition of Internet & Euskadi Buber Sariak for the best technological projects, held on Thursday 17 December in Palacio Miramar in Donostia, designated the website of ULMA Group, Orkestra, Domeinuak, Irontec, Womansarea, among other winners of the nine categories in the award ceremony. The Buber Sariak Awards, organised by the Internet & Euskadi Association, distinguished the website www.ulma.com, as the best website of the year in the Industry category."



ULMA CONSTRUCTION

ULMA Construction collaborates with the Ereindajan Association

A NOT-FOR-PROFIT ASSOCIATION CREATED WITH THE AIM OF FOSTERING CLOSE AND FAIR RELATIONS BETWEEN FARMERS AND CONSUMERS, DRIVING ORGANIC AGRICULTURE AND FOSTERING RESPONSIBLE CONSUMPTION.

In line with ULMA Group values and as a means of collaborating on the advance towards a more sustainable, fair and healthier development model, the Board of ULMA Construction has invited all workers and partners of the cooperatives to collaborate with the

Ereindajan Association to enjoy the benefits of local and seasonal projects through its subscription.

Ereindajan is a not-for-profit association created with the aim of fostering close and fair relations between farmers and consumers,

driving organic agriculture and fostering responsible consumption.

In terms of ULMA Group's Corporate Social Responsibility, last year ULMA Construction began collaborating with Ereindajan, identifying the association as an influencing agent for reactivating local agriculture. This year ULMA Construction has taken a new step in this collaboration, offering partners and workers who work in Oñati the possibility to order the products that Ereindajan distributes through its workplace. The fresh product support directly from the Oñati Ortuzabala Consumer Group and the rest from Ereindajan's shop in Arrasate.

Even though the registration time to form the first group has expired, it is planned to open a new period later on to join the Ortuzabala Consumer Group."



ULMA PACKAGING

Darfresh event

EXCLUSIVE EVENT IN PACKFORUM, THE SEALED AIR CUSTOMER CARE CENTRE IN EUROPE.

Sealed Air in cooperation with ULMA Packaging (specialist in the design and production of packaging equipment and systems) organised this exclusive event called Darfresh® on 10-11 February in Packforum, the Sealed Air customer care centre in Europe.

Customers from all of Europe came to see interactive demonstrations with ULMA Packaging skin thermo-forming machines. Specifically a TFS 707, which makes a double-layer skin package and a TFS 407 with traditional skin packaging.

The customers, who were very interested in this technology, could also hear about the innumerable advantages of this type of packaging with respect to others, such as the significantly increased useful life, improvement in presentation, retention of exudation liquids, vertical layout, etc.®



ULMA CONVEYOR COMPONENTS

ULMA Conveyor Components at the Expomin Trade Show in Chile

ULMA Conveyor Components will be exhibiting at the next Expomin mining trade show to be held in Santiago de Chile from 25 to 29 April.

Expomin is the best mining and industrial trade show in Latin America and one of the most important in the world.

For 2016 the forecast is zero growth for the mining sector because the profound drop in the price of minerals has led to stopping these mining tasks at greater costs.

Chile is one of ULMA Conveyor Components' strategic countries in terms of its internationalisation process. A global leader in copper production with a quota of 38%. Mining in Chile represents around 13 per cent of the country's Gross Domestic Product, accounting for 59.7 per cent of total exports.

As a new feature in this edition, ULMA Conveyor Components will present a technical/sales talk to raise awareness about its highly durable rollers, the main problem of rollers in mines in Chile.®



expomin 2016
 Visitanos Stand 822 Pabellón 1B Espacio Riesco 25 - 29 Abril

ULMA AGRÍCOLA

Mushroom growing in Central Africa

ONE OF THE LEADING COMPANIES FOR THIS CROP IN CENTRAL AFRICA HAS PLACED ITS TRUST IN ULMA AGRÍCOLA TO BUILD AN INSTALLATION FOR GROWING MUSHROOMS THROUGHOUT THE WORLD.

ULMA Agrícola has had a presence in Africa for many years, a continent on which it has implemented projects for a large number of crops and applications.

At the beginning of 2010 various researchers began to evaluate and study mushroom growing in central Africa as a source of income and nutrition. After the study, the benefits for the health and nutritional qualities of mushrooms were widely accepted: Small companies and cooperatives began implementing mushroom growing facilities with great enthusiasm.

One of the leading companies for this crop in the region has placed its trust in ULMA Agrícola to build an installation for growing mushrooms throughout the world. They worked together to define and install a 2,000 m² greenhouse structure adapted to the needs of the climate and the crop.®



ULMA ARCHITECTURAL SOLUTIONS

New corporate video for ULMA Architectural Solutions

ULMA Architectural Solutions, in line with its branding and internationalisation strategy, has just launched its **new corporate presentation video** to reinforce sales communication tools.

It is an essential communication tool for communicating the solutions that the company offers as well as the features and benefits of the innovative material which is the base of its solutions: polymer concrete.

Additionally, this audio-visual material aims to demonstrate the company's maxim: that **the great value of ULMA Architectural Solutions is its people**, thanks to the involvement, passion and teamwork of workers, customers and

collaborators.

It can be viewed in the video section on the ULMA website (<http://www.ulmaarchitectural.com/es/videos/>) and on the ULMA Architectural YouTube channel.®

ulmaarchitectural.com/es/videos/ and on the ULMA Architectural YouTube channel.®



ULMA ventilated facade installed on the Rio de Janeiro “Museum of Image and Sound | MIS”



>> One of the west facade views of the MIS/RJ onto which the eyes of Carmen Miranda are projected

The capacity for adaptation to the different requirements of the project, which characterises ULMA, has been essential in the success of this project:

The manufacture and installation of 2,300 m² of the western facade of the new Rio de Janeiro Museum of Image and Sound (MIS/RJ), which, with a composition of more than 100,000 sheets of polymer concrete, has created a facade with a kinetic effect that reveals the face of Carmen Miranda.

With the inauguration planned for this year, on the Copacabana Beach, the new headquarters of the MIS/RJ will feature the signature of the New York studio awarded, internationally known as **Diller Scofidio + Renfro**. The Brazilian architecture studio entrusted the execution and development

to **Indio da Costa AUDT**.

In honour of Portuguese/Brazilian singer and actress Carmen Miranda, the western facade projects a three-dimensional mural of her face which, in its geometry, scale and diversity of tones, enables the public, depending on their location, to see either the eyes or the smile of the artist.

To meet the high level of personalisation required by this proposal, the CreAktive range was used, which enables personalised manufacture of more than **100,000 sheets of 15 x 15 in eight tones of grey**. Each of the panels is an independent pixel, which enables the formation of different images, subtly changing the colours of each piece.

“One of ULMA’s advantages, in

ULMA Architectural Solutions has successfully addressed a very special project in which its capabilities have been tested to the limit. It is an important project where the level of personalisation and the adaptations made at all levels have been the most demanding.



>> Indio da Costa in his architecture studio

comparison with other manufacturers, is that it can manipulate digital files with the aim of directly converting between the



>> Photo showing the location of the building’s western facade, detailing the montage of the plates and one of the mural’s two views

digital image provided by the architects and the manufacture and physical mapping of the modular elements”, said the owner of the studio Indio da Costa AUDT.

“The extensive range of colours was a very important factor, because the mural art is made up of black and white images, and requires a gradual and consistent relationship between the tones” revealed Indio da Costa.

Another advantage is having scoring for the **Leed** certification, which guarantees better thermal installation and greater energy savings.

“We were impressed by the fact that this system is 100% prefabricated, unified and dry-assembled. This provides absolute precision in response to the need for perfect vertical and horizontal alignment. On the other hand, the technology used in the manufacture, made with precisely cut mitre plates, enables the coloured parts to be fitted onto the corner without viewing the thickness of the material. The samples prepared on ceramic plates offered a poor and not very satisfactory corner detail”, said the architect. Distributing the loads of the construction’s structural elements makes the ventilated facade very light and secure.

It has been a very special and highly demanding project, with which its creators are 100% satisfied. **Chris Andreacola** from

the New York studio Diller Scofidio+ Renfro commented: *“We did not find one pixel/ plate out of place; not only this, we were very surprised with the final result of the work as it exceeded all expectations”.*

The director of Ventilated Facades, Javier de Iribas, said:

“This is the most demanding challenge that has been taken on in the company’s entire ventilated facade history. The project tested the company’s capabilities to the limit: manufacturing, architectural and engineering. A comprehensive solution based on the company’s most creative and customisable range: the CreAktive range. To achieve this, a multidisciplinary team worked together with the architecture studios looking for solutions to meet the needs of the architecturally risky and demanding

proposal of Diller Scofidio + Renfro. Primary and secondary substructure systems adapted to a small-size plate format, mitre-machined, specific for an arrangement on facade in saw-tooth shape, and exclusive handling and packaging for the more than 100,000 plates that make up this wonderful eight-colour non-standard pixelated art, which has contributed, after impeccable implementation, to radiantly displaying the spectacular image of Carmen Miranda. In definitive, the project has led ULMA to grow as a company and will undoubtedly lead to new and more demanding challenges in the future.”

The system is 100% prefabricated, unified and dry-assembled, which provides absolute precision

The other talents of the ULMA Group

Employees and partners of the Group make their professional career compatible with very demanding hobbies in which they demonstrate that all obstacles can be overcome with talent and effort.



I live on a farm. There are days that I get up in the morning, milk the sheep and then go to work

Juanan Aretxaga,
Assembly operator at ULMA Handling Systems

Juanan Aretxaga herding his sheep >>

| A life before the sun comes up

ULMA Handling Systems worker Juanan presides the Álava Cider-makers' Association and manages his career alongside his passion for the farm and for nature.

On any day, when the sun has not yet begun its battle to come forth among the clouds, Juanan Aretxaga goes out to check on his sheep. After having milked them and checked over the state of the farm on which he lives, he goes to work at ULMA Handling Systems, where he has been for seven years.

"I was born in a small village in Álava and live on a farm, which I've always loved. Our main activity is cider making, although we also have sheep and horses and make cheese", says Juan Antonio.

Life on the farm, located in the Álava town of Aramaio, is a source of satisfaction, especially being in contact with nature.

"Sometimes work can cause stress. But I get home and I am with my sheep. It is an activity that relaxes me. There is always work to do on the farm so you have to like it. We start with the sheep, then come the cheeses, later the fruit, the cider and in the winter, the butchering", he added.

To Juanan the dialogue with nature brings a certain peace and he does not mind the early mornings and hard work.

"There is much joviality among my work colleagues. I say to them: 'But come on, don't you get up early when you go skiing?' Well I get up early, milk the sheep and then go to work", he says.

In addition to caring for the animals, Juanan enjoys working with his fruit trees, which are organic, as he does not use chemicals to treat them.

"After pruning, the aphids are treated with potash soap" he says.

His work at ULMA Handling Systems and on the farm is complemented with his work as president of the Álava Cider-makers' Association (Arabako Sagar eta Sagardogileen Elkarte) and secretary of the Basque Natural Cider Federation (E.S.A. FE).

One of the projects currently being developed is to recover native apple varieties; work that contributes to driving agricultural diversity and organic crop growing, as the species are adapted to the ecosystem and are resistant to pests. "



We help other participants; anyone we come across. We don't compete

José Ignacio Bermejo,
ULMA Construction manufacturing operator

Picture of some participants with their four-wheel drives, at the top right Jose Ignacio Bermejo and his brother Juan Carlos >>

| The fastest in solidarity

Brothers José Ignacio and Juan Carlos Bermejo, partners of ULMA Construction, participate in a charity rally in Morocco.

"I have always liked four-wheel drives, so I bought an old one and did it up. Then I entered a charity rally with my brother, who is a mechanic, and we went on an adventure". With these words began the story of José Ignacio Bermejo, who participated in the Atlas Solidario Classics Rally, which is held in the foothills of the Moroccan Atlas Mountains.

It is a 10-day charity competition during which the participants must meet two basic requirements: they must have a 4x4 more than 20 years old and they must transport a package of products to be distributed along the route.

Additionally, participants can transport the supplies they consider opportune

to distribute among the inhabitants of the villages in the Atlas Mountains, a mountainous system that is a natural border between the North Coast of Africa and the Sahara desert.

Workers and partners of ULMA Construction for almost 20 years, José Ignacio and his brother Juan Carlos started out on the journey without knowing what to expect and receive the best recognition possible because they won the best solidarity category.

"We helped everyone. We helped other participants, anyone we came across. We didn't go to compete," he said.

They actually towed the trapped vehicles of other participants and repaired local villagers' cars.

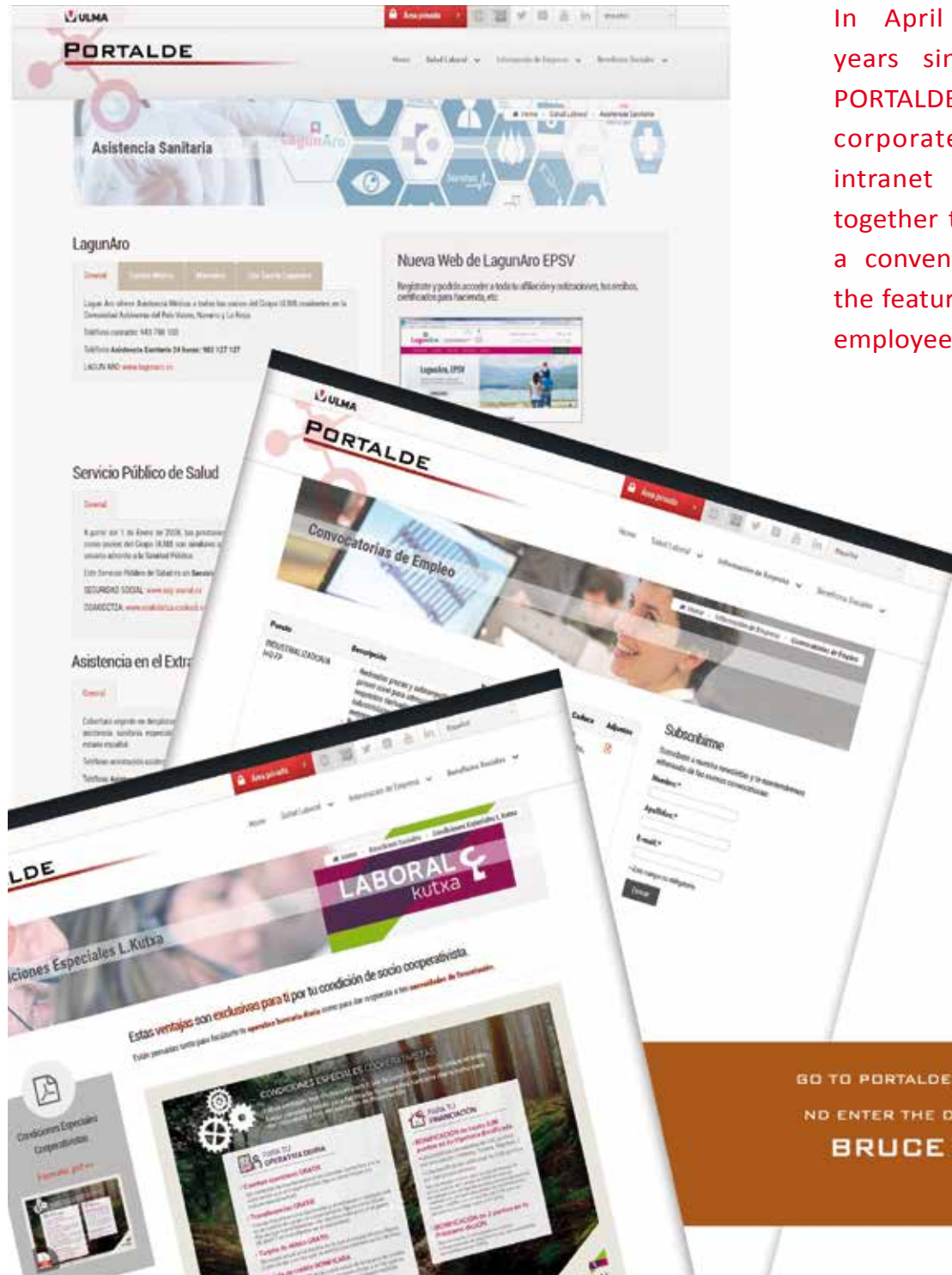
"If we came across someone with a broken down motorbike we helped them to repair it, gave them parts...", he said.

But despite the contribution and the charity package they distributed, José Ignacio regrets not having taken more things for local people.

"Next time we will take less equipment and more products to distribute. We felt like we were not well-prepared. We didn't know that we were going to find such poverty", he added.

On their journey, the Bermejo Bros discovered desert areas and moonscapes, but the images they will remember forever are those of the people. "

The new PORTALDE, accessible to all workers from anywhere with internet access



In April it will be eight years since the launch of PORTALDE, the ULMA Group corporate intranet. An intranet model that brings together the functionalities of a conventional intranet with the features and content of an employee portal.



The experience of PORTALDE over these years has served to discover and fine tune the strong points of this corporate intranet and develop those that can be improved. The result is the new PORTALDE.

BENEFITS:

The main benefit of this new PORTALDE is that it can be accessed from any place and device with internet access, whether inside or outside of the ULMA network. This means that **any ULMA worker can see its content**. Additionally, this new version of PORTALDE can now be viewed **entirely in the Basque language**, thus responding to the request made by users.

TWO DIFFERENTIATED AREAS:

The new PORTALDE is made up of two different parts. **The public area, or the employee portal, and the private area, which is a collaborative space.**

By default, all ULMA Group workers access the public area of PORTALDE. In this area there is information of general interest for the entire Group: medical hours in the company's businesses, healthcare telephone numbers, current labour laws, special Laboral Kutxa conditions for cooperative members and job offers, among other information.

To access the public part of the portal, go to <http://portalde.ulma.com>.

Each worker can access with his/her National ID No. (for example: 00000000X) and the password: ULMA. This generic

97%
of those surveyed
consider that PORTALDE is a
useful tool for ULMA people

63%
of those surveyed
value the ease of access as good
or very good

password can be changed by each user at any time.

Also, the **"Private area"** button provides access to the private area of PORTALDE. This area offers a private space for committees, councils, private working groups, collaboration groups, forums and a reserve for ULMA Group shared resources, and other resources. Because the features of this private space are so special, for security reasons it can only be accessed from the ULMA network and not from any point with access to the internet. If access is required from outside of the ULMA network, you will need to have remote access software installed (VPN) on your equipment. For security reasons, in order to access this private space you will be requested to login, but PLEASE NOTE, the username and password entered here is not your National ID No.; use the username and password you use to login to your work computer.

Remember that on the public as well as on the private part of PORTALDE, you can select the option "remember my credentials".

Finally, you are encouraged to visit PORTALDE regularly, where we hope to keep you informed of everything taking place in the ULMA "universe".

An innovative solution for diagnosing illnesses through the retina

The NIMI initiative (Non-Invasive Medical Imaging), led by ULMA Group was selected by the European Commission within the SME Instrument of the Horizon 2020 programme.



| An ULMA Group promotional activity

This initiative falls within the activities developed by the ULMA Promotional Centre over recent years, and is under the framework of the Group's policy to develop new promotions that may become cooperatives in the future and thus reinforce the positioning of ULMA Group and its businesses.

This project, developed by ULMA Innovation in collaboration with other entities of renowned prestige in the health area, such as Osakidetza, the Vall d'Hebron research Institute, Vicomtech-IK4, IDIAP Jordi Gol and the University of Valencia, is based on the automatic analysis of lesions and alterations at fundus, and how these can offer information about highly prevalent diseases (diabetes, high blood pressure), which are associated to

several cardiovascular, cerebrovascular and neurological diseases.

The social, health and economic costs arising from these diseases in society worsen the primary care public health problem and therefore the solution has a high impact for society and science.

The ULMA proposal, which responds to this social need, has been recognised by the European Commission, which selected the project, together with 17 others, from among 543 proposals presented in phase 1 of the category "Open Disruptive Innovation Scheme" on the cut-off date of November 2015, a demanding initiative within the SME Instrument of the Horizon 2020 programme. The success rate in this category has been 3.3%.

The SME programme is considered the main European support programme

for SMEs in which the projects selected receive financing with the aim of helping companies to launch innovative solutions into the market. At this time, NIMI will receive 50,000 euros financing in phase one to study the concept's technical viability and commercial potential with the aim of developing an innovative project that will have a social impact.

| A comprehensive solution for the market

This project involves offering the market a comprehensive ophthalmological imaging solution compounded of modular software for automatic analysis and processing of fundus images in order to detect different lesions and eye diseases, and a low-cost fundus image capturing device which can be used for general use in health care centres with low resources.

The technology for the project is based on the Retinal project, developed during recent years by ULMA Innovation. Therefore, it has developed the



The solution developed by ULMA will enable effective treatments by providing early diagnosis of diseases through the retina



prototype of AVR software module, which enables automatic quantification of arteriolar-to-venular diameter ratio in a fundus image. This parameter is associated to the different diseases such as Stroke, Alzheimer and Sclerosis, among others.

Currently it's working on developing a new automatic microaneurysm detection software module for screening patients with diabetic retinopathy (the main eye manifestation of diabetes that can result in vision loss even into blindness).

This module is in clinical validation phase by Osakidetza and its main application would be primary care level diabetic retinopathy screening programmes, as it would automate and speed up the process, reducing the workload for the specialist.

With these software modules, ULMA Innovation will meet the needs in the vascular and diabetes area, evaluating the possibility of adding new software modules for detecting other lesions and diseases.

Additionally, it is also working on developing a prototype of a specific and low-cost optical device for capturing fundus image for primary care and healthcare centres with low resources.

| Application for different studies and clinical trials

Apart from the application in clinical practice, this solution has high potential in

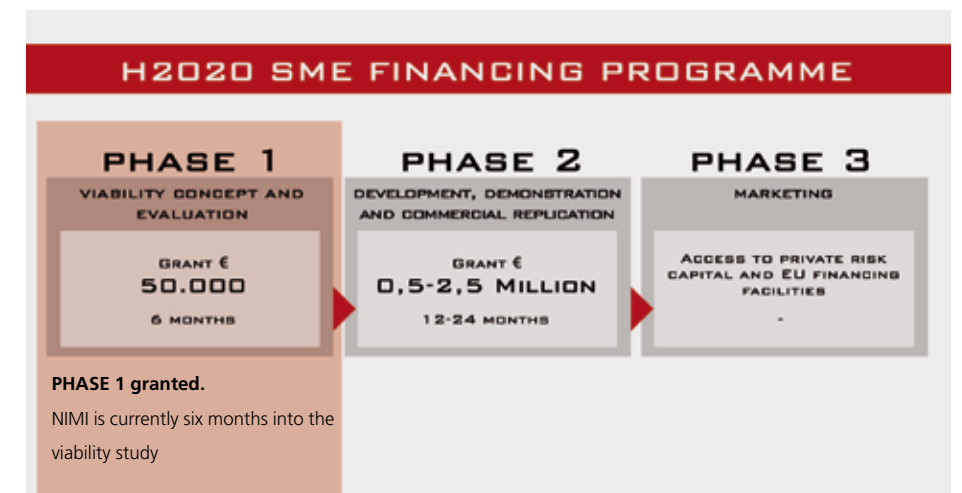


The technologies used are based on research and development undertaken within the ULMA Group Promotional Centre

clinical research for universities and health institutions for epidemiological studies of certain diseases. Another potential application is within the framework of clinical trials for the pharmaceutical sector that can be used to measure the efficacy of antihypertensive drugs.*



It will enable generalised use by different professionals in primary health care centres, outpatients and ophthalmological centres





GO TO PORTALDE, PROVIDE YOUR OPINION AND
 ENTER THE DRAW FOR TWO TICKETS TO:
BRUCE SPRINGSTEEN
 (DONOSTIA, 17 MAY)



PORTALDE, the ULMA Group corporate intranet, can now be accessed from any place and device with internet access, whether inside or outside of the ULMA network. This means that any ULMA worker can see all of its content. To do this, all you need to do is identify yourself with your National ID No.

Username: your National ID No
 Example: 00000000x (lowercase letter)

Private Area

PORTALDE also has a PRIVATE space for meetings, committees, forums, preserving shared resources and workgroups, which can be accessed through the "Private Area" button. This space is only accessible from the ULMA and requires a different login.

CONTENT AVAILABLE:

- Medical hours
- Health care (LagunAro medical table, etc.)
- Group rules
- RIC and POGU
- Job offers
- Arranged restaurants
- Special Kutxa employment conditions
- Financial contributions
- Training
- LagunAro EPSV
- ...

RETIREMENTS: 1 January - 30 April 2016

Thank you all and enjoy!
Congratulations



*José Antonio
Mondragon Zubia*



*Arantxa
Iñurritegi Markuleta*



*José Antonio
Alcelay Perez*



*Ángel
Abaunz Ayastuy*



*Macario
Prieto Santiago*



*José Ignacio
Arcauz Cortabarría*



*José Miguel
Aguriondo Salaberrí*



*Jorge
Prado Prado*



*José
Irizar Lasa*