

## CUSTOMER PORTFOLIO

The list of clients could be very extensive but we are going to enumerate those of greater consumption in the last years:

- **PIONEER CONCRETE HISPANIA S.A.**- It was supplied all the ready-mix concrete plants that they had in this zone: Villa Rosa, Marbella, San Roque, Vélez Málaga, Fuengirola, El Pinar and other that were mounted in Works. From 1973, when mounted the first plant, to 2001, when it sold all the plants.



- **READYMIX- ASLAND S.A.**- The ready-mix concrete plants in San Isidro and Fuengirola and later (2001) Villa Rosa.

**PAVESUR DERIVADOS S.A.**- Company of ready-mix concrete in which ARIPIISA has 50% stocks, with plants in: El Tarajal, El Pinar, Fuengirola and Almayate.

- **PAVIMENTOS ASFALTICOS MALAGA, S.A (PAMASA).**- Factory of agglomerate asphalt for bases and subbases of pavements and roads in which ARIPIISA is partner.

- **PRETENSADOS MALAGUEÑOS S.L.**- Factory of prefabricated pieces of concrete for: blocks, tubes, joists, small vaults, special white concrete pieces, etc.

- **PRETENSADOS ANDALUCES.**- Factory of prefabricated pieces of concrete, mainly tubes of great diameter that, by its complexity in the manufacture, needs high quality aggregate, being located in ESTEPA (SEVILLA).



- **PREFABRICADOS CEYFOR.**- It makes blocks and prefabricated concrete overhang.

- **PRECRISMO S.A.**- Factory of blocks, small vaults and other special prefabricated of concrete.

- **ARIPIISA** has worked with the most important firms in market. We are going to related some of them which we works nowadays:

**FERROVIAL-AGROMAN S.A.; NECSO ENTREC. CUBIERTAS S.A.; SACYR S.A.U.;**  
**CONSTRUCCIONES VERA S.A.; G.E.A. 21; DRAGADOS Y CONSTRUCCIONES S.A.;**  
**ACS; VIAS Y CONSTRUCCIONES S.A.; INGECONSER S.A.; ARENAL 2000 GRUPO**  
**DE EMPRESAS; EDIPSA CONSTRUCTORA S.A.; ETC.**

## IMPORTANT JOBS

We are going to relate the most emblematic works and with some significant characteristics, because the works that used aggregate from ARIPIISA would be almost interminable:

### BUILDING OF TELECOMMUNICATIONS - CAJA POSTAL of MÁLAGA

This building, located in Avenida de Andalucía, in the heart of the city of Malaga has the particularity that was done combining the outer white concrete with grey concrete in the interior in frameworks and pillars.

- Building company: **CUBIERTAS Y MZOV S.A. (NECSO).**
- Class of concrete: HA-25 N/mm<sup>2</sup> continuous grain size max. 25mm. With white cement P-350-B and grey PA-350.
- Materials: sand 0/5 white; gravel 5/15 and gravel 15/25.
- Date: From 1982 to 1986.



### CONGRESS HALL OF MARBELLA



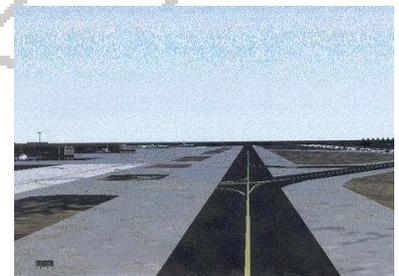
This building is located in downtown of Marbella as star of progress to combine the tourism with the enterprise events. It is made all with white concrete and later was painted of brick red colour.

- Building company: **AGROMAN (FERROVIAL-AGROMAN).**
- Concrete: HA-20 N/mm<sup>2</sup>. Continuous grain size with maximum 15mm.
- Materials: Sand 0/5 (white) and gravel 5/15.
- Date: 1986.

### ENLARGEMENT OF THE MÁLAGA AIRPORT RUNWAY

This work was made with dry concrete and the work putting was with paving machine. A resistance to flex-traction was demanded.

- Building company: **CORVIAN S.A.**
- Concrete: HA-20 N/mm<sup>2</sup> to compression and 5 N/mm<sup>2</sup> to flex-traction.
- Date: 1988.



### SUSPENSION BRIDGE of the park LA REPRESA at MARBELLA

The only suspension bridge of the province of Malaga, made it all with white concrete, located in the most beautiful park in the city of Marbella, being one of most emblematic works of the city.

Building company: **FERROVIAL S.A. (FERROVIAL-AGROMAN)**

- Concrete: HA-25 N/mm<sup>2</sup>. Continuous grain size.
- Materials: Sand 0/5 (white); gravel 5/15 and gravel 15/25.
- Date: 1989.



### BRIDGE in AVD. de VELAZQUEZ KM 220 at CARREFOUR LOS PATIOS



This bridge that crosses the freeway has a length of more than 300 m. It is made with post-stressed concrete provided by PIONEER CONCRETE HISPANIA, which we were its exclusive supplier. In three days it had to give more than 20N/mm<sup>2</sup>. To tighten, a cement of high initial resistance was used.

- Building company: **FERROVIAL S.A.(FERROVIAL-AGROMAN)**.
- Concrete: HA-40 N/mm<sup>2</sup>. Continuous grain size.
- Materials: Sand 0/5; gravel 5/15 and gravel 15/25.
- Date: 1990.

### FREEWAY section RONDA OESTE-PANTANO (RESERVOIR) EL LIMOSNERO

ARIPIISA contributed for this section of freeway with graded crushed aggregates and other aggregates for the manufacture of asphalt concrete, in a plant mounted at the workplace, except fine gravel for the wearing course.

- Building company: **OBRASCON**.
- Concrete: Asphalt concrete to bases and subbases.
- Materials: Graded crushed aggregates ("zahorra artificial") ZA-40; sand 0/6; gravel 5/15 and gravel 15/25.
- Date: 1990.



### **FREEWAY section LA COLINA-AZUCARERA**

In this work ARIPIISA provided all the quarry material that was used: graded crushed aggregates for the extended base (which was compacted by ARIPIISA), aggregate to concrete (concrete provided by PIONEER CONCRETE HISPANIA S.A.) and aggregate to asphalt concrete in a plant of asphalt mounted inside the quarry by AGROMAN.



- Building company: **AGROMAN S.A. (FERROVIAL-AGROMAN).**
- Concrete: HA-20 N/mm<sup>2</sup>. ; asphalt concrete S-20.
- Materials: Graded crushed aggregates ZA-40; sand 0/5, sand 0/6, gravel 5/15 and gravel 15/25.
- Date: Finished in 1994.



### **PLAZA MAYOR leisure park at CHURRIANA (Málaga)**

# ARIPIISA

This work was made in two parts. The civil work and urbanisation, made by Construcciones Vera (supply of asphalt by Pamasa) and the work of construction by Constructora San José, to whom the concrete was provided by Pioneer Concrete Hispania S.A. and was continued by Readymix-Asland after the sale of plant Villa Rosa.



- Building company: **CONSTNES. VERA S.A. and CONSTRUCTORA SAN JOSE.**
- Concrete: HA-20 N/mm<sup>2</sup>; HA-25 N/mm<sup>2</sup>; asphalt concrete.
- Materials: All-in uncrushed material; breakwater rocks; graded crushed aggregates ZA-25; sand 0/5; sand 0/6; gravel 5/15 and gravel 15/25.
- Date: From 1999 to 2002.

### **REMODELING OF LA CORACHA AT MALAGA**

Although this work is not of great technical interest, it is important by its showiness and centric situation.

- Building company: **CORSAN-CORVIAN S.A.**
- Materials: Stones for stone masonry; ZA-25; sand 0/2 (mortar); sand 0/5 and different sized gravels.
- Date: 2003.



## ENLARGEMENT OF THE MALAGA HARBOUR

This work, which had taken several years to make it, by Dragados y Construcciones S.A. and by Construcciones Sando S.A. has two important phases. One, the extension of the dock for large-draft ships that were made with 48 boxes of concrete, which were transported floating and sinking them when arriving at the destination; and the other, the deposition of large rocks for breakwater, some of them taken in special boats with unloading by the bottom. ARIPIISA provided altogether with other quarries as material for concrete of the boxes as breakwater rocks.



- Building company: **UTE DRAGADOS-SANDO**.
- Concrete: HA-30 N/mm<sup>2</sup>. With SR-MR (high resistance and waterproof cement). Continuous grain size and a special accelerator.
- Materials: Sand 0/5 and Breakwater rocks.
- Date: 1<sup>st</sup> stage from 1999 to 2001 and 2<sup>nd</sup> stage from 2001 to 2003.



# ARIPIISA

## FACTORY OF VOUSOIRS for the tunnel of the A.V.E. (high speed train) at GOBANTES (Málaga)



This factory, of French machinery, has been constructed exclusively for the manufacture of VOUSOIRS that are forming the ring that the tunnel boring machine is placing around the tunnel. Later, it injects fine gravels to the structure and a mortar that consolidates the hollow between the voussoir and the land. This is one of the main engineering jobs made in Málaga.

- Building company: **SACYR S.A.U.**
- Concrete: HA-40; HA-60 y HA-80 N/mm<sup>2</sup>. With cement CEM-I-52,5 R.
- Materials: Sand AF-T- 0/4-C and gravel AG-T- 4/16-C.
- Date: Started in 2003 and carry on in 2005.

## OTHER JOBS

In addition to the mentioned, ARIPIISA has made works as pavement in dry concrete (known in Spain as "grava-cemento") of great number of streets in Malaga city and towns of the province.

Has provided aggregate for Concretes of innumerable buildings in the province of Malaga (Coast of the Sun).

Has provided aggregate in civil work, urbanizations and constructions like: COMMERCIAL CENTER MAKRO, TECHNOLOGICAL PARK OF ANDALUCIA, INDUSTRIAL ESTATE GUADALHORCE, INDUSTRIAL ESTATE SANTA BARBARA, INDUSTRIAL ESTATE SAN LUIS, FREEWAY CARTAMA-PARQUE TECNOLOGICO (TECHNOLOGICAL PARK), COMMERCIAL PARK MALAGA-NOSTRUM, BENALMADENA HARBOUR, MARITIME WORKS at BENALMADENA, TORREMOLINOS and other cities, ETC.



## EXPORT



ARIPIISA has sent aggregate to **GIBRALTAR** to make special works in the harbour, a mosque and aggregate for concretes several times.

Aggregates have been carried to Melilla and Canarias (Canary Islands).