

# Offices' technical specifications

## Service Center ZAL Port



### Finishes:

#### Outside walls

- SCHUCO brand aluminium curtain wall system, with thermal bridge breaking
- South-east façade (sea side) and south-eastern side fully glazed with matte silver lacquered profile and protective insulation with Brise Soleil.
- North-east and north-west (City side) façades in aluminium sheet Alucobond type lacquered in anthracite.
- Insulated 6+6 mm thick glazing in green, 12 mm chamber and 5 mm colourless exterior.

#### Inside compartment

- Pladur walls made up of four panels (2+2) and Rock wool insulation (60 mm) fixed to 70 mm steel profiles. Painted white.

#### Access doors

- Secured and raised in textured DM.

#### Floor

- Non-slip, anti-allergy carpet in grey. 50x50 cm carpet ties on reinforced concrete structure, 80x80 with reticulate party floor.
- Live load category of 350 kg/m<sup>2</sup>.

#### False ceiling

- Prepainted micro-perforated galvanized 60x60 cm boards, with hidden guides and sound absorption, Ivory white, Erco brand.

#### Curtains

- Sunscreen rollers in curtain boxes in the same colour as the false ceiling.

#### Lighting

- 60x60 cm fluorescent panels of 1x55W, Erco brand. Each screen covers 3 m<sup>2</sup>.

#### Conduit

- Two-step aluminium quintela of 150x60 mm for communications and electrical cabling set into the facade.

### Installations:

#### Heating and air conditioning

- Temperature adjustable by independent thermostats.
- Ventilation grilles and integrated returns, Trox brand, measuring 60x60 cm finished in metal of the same colour as the false ceiling.
- Return system

- General system comprising cooling unit and three heat pumps, ROCA YORK brand (CFC free), for producing cold and hot water distributed to coolers or to fan coils through four-pipe closed circuit system.
- Outside air for ventilation mixed with return and extraction maintaining overpressure in climatized areas in all cases.
- Summer: Temperature: 24 °C +/- 1 °C, Relative humidity: 55 % +/- 5%
- Winter: Temperature: 20 °C +/- 1 °C, Relative humidity: 55 % +/- 5%

#### Communications

- Preinstallation of work stations with two electrical power outlets for several uses, plus voice and data connection mechanisms (except for cabling)
- Approximately one complete outlet per 15 m<sup>2</sup> in the perimeter, there is one complete outlet per 2 metres. Data trunk circuits over multimode optical fibre 62.5 / 125 micras.
- Optional, at the expense of the lessor: UTP Category 6 data cabling in compliance with international standards, broad band of 250 Mbps.
- Optional at the expense of the lessor: Coaxial cable for TV/video/radio signal. Double input for TV and radio signals.

#### Fire protection

- Fire detectors connected to "Cerberus" electronic alarm system.

#### Public address

- Loudspeakers in offices - 60x60 cm and 10 w, with priority attenuator, one per module of minimum surface area.

#### Security

- Security doors.
- Emergency lighting.
- Pressurised emergency stairs with luminescent bands.
- General security control system in building ready for optional connection to interior installation to be developed by the client.

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### Telecommunications:

TIC Solutions is responsible for the telecommunications infrastructure. TIC Solutions functions include three areas:

Data Processing Center (DPC): hosts the arrival of the services of the providers (carriers and ISP's) telecommunications from their headquarters to the Service Center Building

Vertical cabling: transports de service through the CTI (common telecommunications infrastructure) to the telecommunications node located in every floor.

From the node plant the service will be prolonged to the rack or end point designated by each customer in its premises. Whether the connection is through copper or fiber optics each connection will carry only one service thus establishing a 1 to 1 ratio between connections and services.

The cost of the copper connection is EUR 180 per service and the cost of fiber optics connection is 360 Eur. per service.

Each telecommunications provider uses optical fibers with different specifications and may vary these specifications unilaterally. For this reason, it will be the telecommunications provider who supply will the necessary amount of fiber optics and may, or may not, pass on its cost to the end customer depending on the customer's agreements with its telecommunications provider

Horizontal wiring: TIC Solutions is available to the end customer to offer customized budgets for the wiring from their rack to the work post of each user or network equipment.