



CASE STUDIES



PREFILTRATION OF SALT WATER IN REVERSE OSMOSIS PLANT (CENTRAL ASIA)

3 Equipments **AZUD HELIX AUTOMATIC S-WATER 7
EQUIPMENT INDUSTRY**, 100 micron

**CONTROL UNIT AZUD FBC 112/7 S-WATER
INDUSTRY**

3 Equipments of 450 m³/h each





COOLING TOWER IN IRON & STEEL INDUSTRY (ARGENTINA)

Equipment: **AZUD HELIX AUTOMATIC 410 LP**

Grade of filtration: 200 micron

Max flow: 4.500 m³/h





WASTE WATER PLANT (SPAIN)

4 Equipments **AZUD HELIX AUTOMATIC PLUS 610 LP**
20 micron
Max flow: 960 m³/h





“CARAVACA” COLLECTIVE IRRIGATION COOPERATIVE (Murcia - SPAIN)

1 Equipment **AZUD HELIX AUTOMATIC 606D LP**, 1 Equipment **AZUD HELIX AUTOMATIC 604 LP** & 1 Equipment **AZUD HELIX AUTOMATIC 405L**

130 micron

Maximum flow: 1.350 m³/h





GARDEN NEAR "LA ALHAMBRA" (Granada - SPAIN)

1 Equipment **AZUD HELIX AUTOMATIC 202/3FX**
130 micron

Maximum Flow: 60 m³/h





CULIACAN – SINALOA (MEXICO)



6 Equipments **AZUD HELIX AUTOMATIC 306/6VE**
Control Unit **AZUD FBC 308**.
Maximum flow: 1.080 m³/h
Water from well to irrigate vegetables





HOSPITAL (EI Ferrol - SPAIN)

Equipment **AZUD HELIX AUTOMATIC 208/6FX**

100 micron

Pressure: 6 bars

Max flow: 240 m³/h





GREEN AREAS NEAR "BESOS" RIVER (Barcelona - SPAIN)

1 Equipment **AZUD HELIX AUTOMATIC 306 HP**
Control Unit **AZUD FBC 308**
Waste water filtration to protection of UV equipment
Pressure: 11 bar
Flow: 108 m³/h





FISH FARM (Barcelona - SPAIN)

Sea water filtration

Equipment: **AZUD HELIX AUTOMATIC 210 LP**. 130 micron.

Max flow: 240 m³/h





“DIAGONAL MAR” RESIDENTIAL AREA (Barcelona - SPAIN)



PROTECTION OF IRRIGATION SYSTEM
2 AZUD HELIX AUTOMATIC 202
4 automatic filters. Volume of filtered water: 50 m³/h. Protection of the drip irrigation system.

FOUNTAINS
AZUD HELIX AUTOMATIC 203
3 automatic filters. Volume of filtered water: 40 m³/h. Protection of the spray nozzles.

NORTH LAKE
AZUD HELIX AUTOMATIC 312
12 automatic filters. Volume of filtered water: 200 m³/h. Recirculation of the lake water.



SOUTH LAKE
AZUD HELIX AUTOMATIC 306
6 automatic filters. Volume of filtered water: 100 m³/h. Recirculation of the lake water.





“LA MANGA” GOLF COURSE (Murcia - SPAIN)

5 equipments **AZUD HELIX AUTOMATIC 305**
1 equipment **AZUD HELIX AUTOMATIC 309**
Control Unit **AZUD FBC 308**
200 micron
Max. flow: 420 m³/h





TEXTILE INDUSTRY (SPAIN)

Equipment: **AZUD HELIX AUTOMATIC 407 L.** 50 micron

Maximum flow: 630 m³/h





IRRIGATION LAND (Gran Canaria - SPAIN)

2 Equipments **AZUD HELIX AUTOMATIC 315**
Maximum flow: 900 m³/h



IRRIGATION LAND (Murcia - SPAIN)

Equipments: **AZUD HELIX
AUTOMATIC 304**
Control Unit: **AZUD FBC 308**
Filtration and fertigation for hydroponics
Maximum flow: 85 m³/h





“PINAR DE BRAI” COLLECTIVE IRRIGATION COOPERATIVE (Tarragona - SPAIN)

2 Equipments **AZUD HELIX AUTOMATIC 330**
2 Control Units **AZUD FBC 312**
Water from reservoir to fruit tree irrigation
Maximum flow: 1.800 m³/h



GOLF RESORT (USA)

AZUD HELIX AUTOMATIC 321-1
Grooved disc filtration
20 automatic helical effect filters
1 pumping station
Maximum flow: 630 m³/h



IRON & STEEL INDUSTRY
(Santander - SPAIN)

AZUD HELIX AUTOMATIC PLUS 224 LP

50 micron

Automatic and self-cleaning filtration system:
48 automatic filters, 6 pumping stations.

Max flow: 480 m³/h



“EL PORVENIR SAVIOTE” COLLECTIVE
IRRIGATION COOPERATIVE
(Jaén - SPAIN)



Filtration of water from pond to olive trees
irrigation

3 equipments **AZUD HELIX AUTOMATIC 307**

Control Unit **AZUD FBC 308**

Maximum flow: 630 m³/h



PETROCHEMICAL INDUSTRY (CHINA)

Equipment: **AZUD HELIX AUTOMATIC 606D LP**, 100 micron.

Max flow: 540 m³/h





GOLF COURSE "RODA GOLF" – (Murcia - SPAIN)

1 Equipment **AUZD HELIX AUTOMATIC 408-1 L**
1 Equipment **AZUD HELIX AUTOMATIC 405-1 L**,
130 micron
Max flow : 1.170 m³/h





"TORRE DEL RAME" GOLF COURSE (Murcia - SPAIN)

1 Equipment **AZUD HELIX AUTOMATIC 406 HP** 200 micron

1 Equipment **AZUD HELIX AUTOMATIC TOWER SYSTEM 18**
100 micron

Maximum flow: 1.620 m³/h





“PLIEGO” COLLECTIVE IRRIGATION COOPERATIVE (Murcia - SPAIN)

1 Equipment **AZUD HELIX AUTOMATIC 412 D**

2 Equipments **AZUD HELIX AUTOMATIC 409 D**,
130 micron

Maximum flow: 2.700 m³/h



“SANTO TOME” COLLECTIVE IRRIGATION COOPERATIVE (Jaén - SPAIN)

1 Equipment **AZUD HELIX AUTOMATIC 406 L**
130 micron

Maximum flow: 540 m³/h



“MARGEN IZQUIERDO DEL BEMBEZAR” COLLECTIVE IRRIGATION COOPERATIVE (Cordoba – SPAIN)

Water filtration from “Guadalquivir” river

67 Equipments **AZUD HELIX AUTOMATIC
TOWER SYSTEM** 130 micron

Maximum flow: 29.400 m³/h



“LA SENYERA” COLLECTIVE IRRIGATION COOPERATIVE (Valencia - SPAIN)

1 Equipment **AZUD HELIX AUTOMATIC 406 L**
130 micron

Maximum flow: 540 m³/h





“CAMPOS DEL RÍO” COLLECTIVE IRRIGATION COOPERATIVE (Murcia - SPAIN)

Water filtration from waste water plant

1 Equipment **AZUD HELIX AUTOMATIC 410 D**

130 micron

Maximum flow: 600 m³/h





“SIERRA MAGINA TORRES” COLLECTIVE IRRIGATION COOPERATIVE (Jaén - SPAIN)

Water filtration from well
2 Equipments **AZUD HELIX AUTOMATIC 410 D**
130 micron
Maximum flow: 1.800 m³/h



“TOTANA” COLLECTIVE IRRIGATION COOPETARIVE (Murcia - SPAIN)

14 Equipments for low pressure
AZUD HELIX AUTOMATIC 510 LP
130 micron
Maximum flow: 12.600 m³/h



“BENALMADENA” GOLF COURSE (Malaga - SPAIN)

1 Equipment **AZUD HELIX AUTOMATIC 407 L**
200 micron
Maximum flow: 630 m³/h



“ALFAMEN” COLLECTIVE IRRIGATION COOPERATIVE (Zaragoza - SPAIN)

1 Equipment **AZUD HELIX AUTOMATIC
PLUS 407 L S7**, 130 micron
Control Unit **AZUD FBC 107/7**
Maximum flow: 630 m³/h



“LA PERALEJA” GOLF COURSE (Murcia - SPAIN)

1 Equipment **AZUD HELIX AUTOMATIC HP
306/6FE S6** 200 micron

Control Unit: **AZUD FBC 107/6 HP**

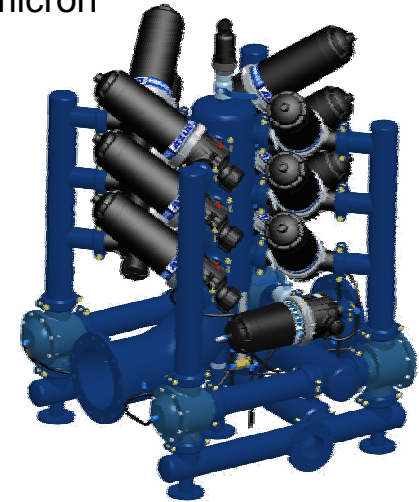
Maximum flow: 180 m³/h



“ISLA DE LA MATANZA” COLLECTIVE IRRIGATION COOPERATIVE (Murcia - SPAIN)

2 Equipments: **AZUD HELIX AUTOMATIC
TOWER SYSTEM 12** 130 micron

Maximum flow: 720 m³/h



“RICOTE” COLLECTIVE IRRIGATION COOPERATIVE (Murcia - SPAIN)

2 Equipments **AZUD HELIX AUTOMATIC
TOWER SYSTEM** 130 micron

Maximum flow: 1.080 m³/h



“MOLINA DE SEGURA 1” COLLECTIVE IRRIGATION COOPERATIVE (Murcia - SPAIN)

1 Equipment **AZUD HELIX AUTOMATIC PLUS 315**

130 micron

Maximum flow: 450 m³/h

“TOBARRA” COLLECTIVE IRRIGATION COOPERATIVE (Albacete - SPAIN)

Water from pond

22 separate equipments

Maximum flow: 6.000 m³/h





“LA BARONESA” COLLECTIVE IRRIGATION COOPERATIVE (Alicante - SPAIN)

2 Equipments **AZUD HELIX AUTOMATIC 403 L**
130 micron
Maximum flow: 540 m³/h



“MOLINA DE SEGURA 2” COLLECTIVE IRRIGATION COOPERATIVE (Murcia - SPAIN)

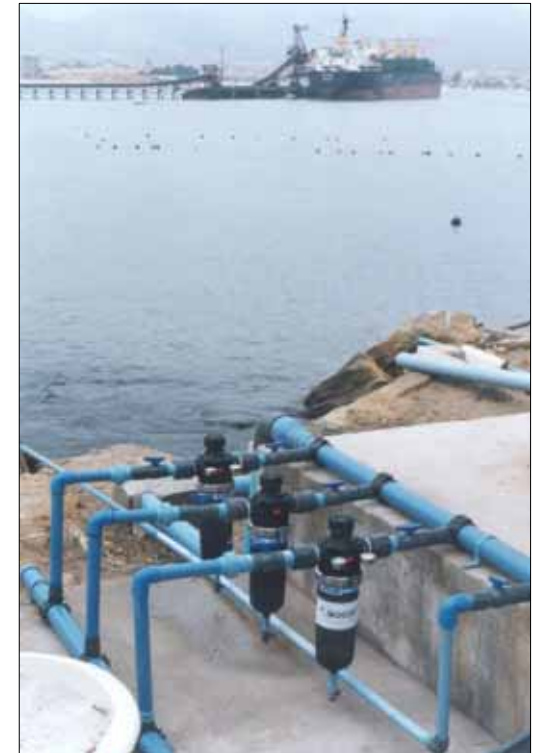
2 Equipments **AZUD HELIX AUTOMATIC 408 D**
1 Equipment **AZUD HELIX AUTOMATIC 510 LP** 130 micron
Maximum flow: 2.340 m³/h





PLASTIC INDUSTRY (Murcia - SPAIN)

AZUD HELIX AUTOMATIC 312
Control Unit AZUD FBC 308
Max flow: 360 m³/h



FISH FARM (CHILE)

Sea water filtration
Manual filtration system AZUD HELIX SYSTEM
Max flow: 150 m³/h



BOTANICAL GARDEN (CHINA)

Equipment **AZUD HELIX AUTOMATIC 303**
Control Unit **AZUD FBC 308**



"RETAMARES" GOLF COURSE (Madrid - SPAIN)

Equipments for high pressure
1 Equipment **AZUD HELIX AUTOMATIC 318 HP**
Control Unit **AZUD FBC 308**





PUBLIC GARDEN (Murcia - SPAIN)

6 filters **AZUD HELIX AUTOMATIC 3"**
3 Control Unit **AZUD FBC 308**
Water recirculation for ponds and irrigation



QUEENSLAND (AUSTRALIA)



1 Equipment **AZUD HELIX AUTOMATIC 304** with inox manifolds
Control Unit **AZUD FBC 308**
Filtration of water from reservoir



ELECTRIC PLANT (HOLLAND)

Equipment: **AZUD HELIX AUTOMATIC 303 LP with High Density Polyethylene Manifolds**, 100 micron

Max. flow: 60 m³/h



“LAS GANGAS TORREPEROGIL” COLLECTIVE IRRIGATION COOPERATIVE (Jaén - SPAIN)

Filtration of water from pond to irrigate olive trees
1 Equipment **AZUD HELIX AUTOMATIC 307** with high density polyethylene manifolds **AZUD LONG-LIFE**
Control Unit **AZUD FBC 308**





OLIVE PROCESSING FACTORY

(Sevilla - SPAIN)

Waste water filtration

1 Equipment **AZUD HELIX AUTOMATIC 303** with high

density polyethylene manifolds AZUD LONG-LIFE

Control Unit **AZUD FBC 308**

Maximum flow: 90 m³/h



“CEUTÍ” COLLECTIVE IRRIGATION COOPERATIVE

(Murcia - SPAIN)

1 Equipment **AZUD HELIX AUTOMATIC 305**

with high density polyethylene manifolds

AZUD LONG-LIFE

Control Unit **AZUD FBC 308**

Maximum flow: 150 m³/h



FLORIDA (USA)

1 Equipment **AZUD HELIX AUTOMATIC 308**
with inox manifolds
Maximum flow: 240 m³/h



TEXAS (USA)

2 Equipments **AZUD HELIX AUTOMATIC**
303 with inox manifolds
Control Unit **AZUD FBC 308**
Maximum flow: 180 m³/h



ALMODOVAR DEL RIO (Córdoba - SPAIN)

1 Equipment **AZUD HELIX AUTOMATIC 307** with high density polyethylene manifolds **AZUD LONG-LIFE**
Control Unit **AZUD FBC 308**
Maximum flow: 210 m³/h



TORREFRESNEDA (Badajoz - SPAIN)



1 Equipment **AZUD HELIX AUTOMATIC 308**
with high density polyethylene manifolds
AZUD LONG-LIFE
Maximum flow: 240 m³/h



“MONTE AGUILAR OSERA DEL EBRO” COLLECTIVE IRRIGATION COOPERATIVE (Zaragoza - SPAIN)

Filtration of water from river
84 filters **AZUD HELIX AUTOMATIC**
2 Control Units: **AZUD FBC 308**
Maximum flow: 2.520 m³/h
Dripline AZUDRIP





“MONTIJO” COLLECTIVE IRRIGATION COOPERATIVE (Sevilla - SPAIN)

1 Equipment **AZUD HELIX AUTOMATIC PLUS 404**

Maximum flow: 360 m³/h



PARTICULAR LAND OF HORTICULTURAL PRODUCTION “TORRE PACHECO” (Murcia - SPAIN)

Water filtration for tree crops irrigation.

Maximum flow: 200 m³/h



GUADAJOZ (Sevilla - SPAIN)

Reservoir water filtration for citrus irrigation
1 Equipment **AZUD HELIX AUTOMATIC 309-3**
Control Unit **AZUD FBC 308**
Maximum flow: 210 m³/h
Upgradeable flow: 270 m³/h



"POZO BAYARRY" COLLECTIVE IRRIGATION COOPERATIVE (Valencia - SPAIN)

Reservoir water filtration for citrus irrigation 320 has.
1 Equipment **AZUD HELIX AUTOMATIC 324 LP**
Control Unit **AZUD FBC 308**
Maximum flow: 720 m³/h



“SAN RAFAEL” COLLECTIVE IRRIGATION COOPERATIVE (Valencia - SPAIN)

30 filters: **AZUD HELIX AUTOMATIC 3”**
Control Unit: **AZUD FBC 308**.
Reservoir water filtration for citrus irrigation.
Maximum flow: 900 m³/h
Integral dripline AZUDRIP

HUÉVAR (Sevilla - SPAIN)

Water for cotton irrigation.
1 Equipment: **AZUD HELIX AUTOMATIC 312**
Control Unit: **AZUD FBC 312**
Maximum flow: 360 m³/h





“FUENTES” LAND (Murcia - SPAIN)

1 Equipment: **AZUD HELIX
AUTOMATIC 312**
Control Unit: **AZUD FBC 308**
Combined with fertigation
automatic system
Reservoir water filtration for
citrus crop.
Maximum flow: 360 m³/h



ALMUÑÉCAR (Granada - SPAIN)

1 Equipment: **AZUD HELIX
AUTOMATIC 306**
Control Unit: **AZUD FBC 308**
Reservoir water filtration for avocado
crop.
Maximum flow: 180 m³/h
MBTECH PCR drippers



“PEÑARRUBIA – CANENA” COLLECTIVE IRRIGATION COOPERATIVE (Jaén - SPAIN)

Water filtration from Guadalimer river for cotton
and beetroot irrigation.
1 Equipment: **AZUD HELIX AUTOMATIC 312**
Control Unit: **AZUD FBC 308**
Maximum flow: 360 m³/h
Integral dripline AZUDRIP





ALPHA VALE PROJECT (BRASIL)



80 has. of mango, grape, banana and cashew
1 Equipment: **AZUD HELIX AUTOMATIC 304**

MARRAKECH (MOROCCO)

Water filtration from well for tomato irrigation
2 Equipments: **AZUD HELIX AUTOMATIC 304**
Control Unit: **AZUD FBC 308**
Maximum flow: 240 m³/h
Dripline with pressure-compensating dripper
AZUD PC-DIS





“LOS HUMOSOS MARINALEDA” COLLECTIVE IRRIGATION COOPERATIVE (Sevilla - SPAIN)



Water filtration from Genil river for horticultural
crops irrigation
84 filters: **AZUD HELIX AUTOMATIC 3”**
2 Control Units: **AZUD FBC 308**
Maximum flow: 2.520 m³/h

HOTEL (TAHITI)

Water filtration for service in Hotel
3 filters: **AZUD HELIX AUTOMATIC 2”**
Flow: 20 m³/h





AUTOMOBILE INDUSTRY (GERMANY)

Water filtration from well for injection system
2 equipments **AZUD HELIX AUTOMATIC 206**,
50 micron
Max. flow: 20 m³/h



"ALMENARA" COLLECTIVE IRRIGATION COOPERATIVE (Castellón - SPAIN)

3 Equipments: **AZUD HELIX AUTOMATIC 312-2**
3 Control Units: **AZUD FBC 312**
Reservoir water filtration for citrus irrigation.
Maximum flow: 1.800 m³/h





ALMERIA 2005, "EL TOYO" (SPAIN)

1 Equipment **AZUD HELIX AUTOMATIC 305**



PLASTIC INDUSTRY
(GERMANY)

Equipment: **AZUD HELIX AUTOMATIC 302/3FX**
Filtration grade: 130 micron
Max. flow: 60 m³/h

