



## Rain Bird Global Services



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## Rain Bird's Mission Statement

**Rain Bird's mission is to be the industry leader by:**

- Profitably providing defect-free, high value products and services that promote the intelligent use of water for worldwide irrigation applications.
  - Achieving customer satisfaction by meeting or exceeding customer expectations.
  - Being a responsible employer respected by employees and the community.
  - Enabling employees to be the best they can be.
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## About Rain Bird

A privately held company founded in 1933, Rain Bird Corporation is the leading manufacturer and provider of irrigation products and services. Since its beginnings, Rain Bird has offered the industry's broadest range of irrigation products for farms, golf courses, sports arenas, commercial developments and homes in more than 130 countries around the world. Rain Bird has been awarded more than 130 patents, including the first in 1935 for the original horizontal action impact drive sprinkler (U.S. Patent #1,997,901), which revolutionized the food production industry and ushered in a new era in irrigation, worldwide. The original impact sprinkler was designated a historic landmark in 1990 by the American Society of Agricultural Engineers. Today, Rain Bird offers over 4,000 irrigation products and services.

Rain Bird is committed to The Intelligent Use of Water™. It is our legacy to design and manufacture only those products of the highest value and quality. We work for long-term, responsible partnerships with our customers and our vendors. This is who we are, and this is how we wish to be perceived in the irrigation industry and our communities.

# Rain Bird Corporation

## Product Offerings

Over 4,000 Rain Bird products are sold domestically and internationally in five markets: agriculture, consumer, contractor, commercial, and golf. We have offices in more than 20 countries, and our products are sold in over 120 countries. Rain Bird is a registered trademark of Rain Bird Corporation.

Rain Bird owns more than 130 patents and some 30 additional trademarks, and we carefully use these trademarks to distinguish our products as genuine Rain Bird products.

Examples of products resulting from recent innovative technology include: Rain Curtain Technology that offers superior water distribution; battery operated controllers that bring automatic irrigation to areas lacking independent access to power; wireless remote control systems that manage irrigation sites from a PC.



## Rain Bird Facilities

Rain Bird has several state-of-the-art manufacturing, assembly and distribution facilities in the United States (California, Arizona and Alabama), and internationally in France, Sweden and Mexico. We also have sales offices in over 20 countries around the world.

In addition, Rain Bird maintains one of the largest indoor irrigation testing centers in the world to ensure the development of quality products.



# Services

The services rendered by Rain Bird cover the full range of professional irrigation engineering services. These include project planning, feasibility studies, site and system appraisal, design and detailed engineering of projects, construction management and procurement services, construction supervision and inspection services, quality control and training of personnel.

## Types of Services

### STUDIES / PLANNING

- System & Site Planning
- Feasibility
- System Studies

### ENGINEERING SERVICES

- Preliminary Studies and Designs
- Design and Detailed Engineering
- Technical Specifications
- Tender Documents
- Tender Analysis
- Program Management
- On-Site Surveying
- Cost Estimates

### CONSTRUCTION SERVICES

- Construction Management
- Construction Supervision
- Contract Administration
- Procurement
- Planning and Scheduling
- Accounting and Cost Control
- Operation and Maintenance Manuals
- Commissioning and Start-up
- Quality Assurance / Quality Control
- Personnel Training

### IRRIGATION SYSTEM SUPPORT

- Irrigation System Management
- Irrigation System Servicing
- Irrigation System Assessment
- System Efficiency Assessment
- Water Use Efficiency Studies
- Pump Station Support

### TRAINING / EDUCATION

- Business Skills
- Central Control Systems
- Golf Irrigation Systems
- Landscape Irrigation Systems
- Pump Systems
- Irrigation System Design
- Irrigation Certification



## Field of Activities



### Field of Activities

- Agriculture Projects
- Airports & Aviation Facilities
- Business Parks
- Control Systems
- Efficiency & Equipment Studies
- Golf Courses (Club Houses, Entrances, Driving Ranges)
- Hospitals
- Home Owners Associations
- Hotels & Resorts
- Housing Developments
- Hydraulics
- Industrial Parks
- Irrigation
- Landscaping (Housing, Public, Administration, Commercial)
- Mining
- Municipalities (Parks, Sports Fields, Facilities, Roadways)
- Pumping Systems
- Quality Assurance & Quality Control (QA & QC)
- Roads & Median Strips
- Sports Fields

## Worldwide Project Samples



### Worldwide Project Samples

- Water Management Consulting
- System Maintenance & Operation
- Computerized Central Control Systems
- Client Representation & Project Management
- System Design, Installation Supervision, Testing & Commissioning

## Carya Golf Club • Kadriye/Belek - Antalya, Turkey



### CLIENT

Carya Turizm Yatirimlari A.S.

### OWNER

Carya Turizm Yatirimlari A.S.

### LOCATION

Kadriye Belek Antalya TURKEY

### SCOPE OF SERVICES

Turn key Golf Course Irrigation System

Detailed Installation plans

Supply of irrigation system material.

Complete Installation Service.

Irrigation system start-up, commissioning and handover.

Annual service and maintenance Agreement

### Project Description

Carya Golf Club, in Antalya's Belek Region, is the first classic, heathland style golf course to be built on Turkey's Mediterranean coast. Set on undulating sand hills, Carya is a championship golf course at the heart of Turkey's golf coast.

Grown in an extensive nursery on site, Carya's heather shapes define the course into a truly magnificent spectacle. The 7,186 yards, par 72 course, is a demanding test of golfing strategy with free flowing holes that run between pine and eucalyptus trees and across a dramatic sand ridge.

# Dalian Red Flag Valley Golf Course

DalianCity, Liaoning province, China



*View of the New Golf Course Under Construction*

## CLIENT

Dalian Red Flag Valley Golf Course

## LOCATION

DalianCity, Liaoning province, China

## SCOPE OF SERVICES

Pump Station Installation Management.

Pump Station Startup and Commissioning Service

On site Operator and Maintenance Training Service

## Project Description

18 holes Mountain golf course utilizing Rain Bird Computerized Central Control System and Rain Bird Pump Station.



# Forest of Arden • Meriden, Warwickshire, England



## CLIENT

Forest of Arden. A Marriott Hotel & Country Club

## LOCATION

Meriden, Warwickshire, England

## SCOPE OF SERVICES

Rain Bird's service relationship at The Forest of Arden covers a period of more than 12 years providing a variety of Rain Bird services. Some of which are listed below.

- System performance evaluation
- System design
- Technical specifications
- Tender documents
- Tender analysis
- Contract Administration
- Project Management
- Commission and start-up
- Personnel Training
- Central Control Support

## Project Description

Forest of Arden Country Club is one of the UK's most impressive golf destinations, featuring two top-class courses—the Arden Course and Aylesford Course. The club is located on 10,000 acres in the heart of the Midlands, surrounded by ancient woodlands and natural lakes. Forest of Arden has played host to some of golf's most prominent tournaments, including the British Masters and English Open.

Current project is part of the 5 year system plan to further improve system efficiency, water usage and running costs. Phase One covers new Arden Course Pumping Station, Water Storage and transfer pumping system to utilize reclaimed water source.





**CLIENT**

Société Golf de l'Ocean SA

**OWNER**

Société Golf de l'Ocean SA

**LOCATION**

Agadir - Morocco

**SCOPE OF SERVICES**

Irrigation system design

Installation Management, including full time on site supervision

Irrigation System Start up and commissioning of the computerized central control system and pump station

Annual Service and Maintenance Agreement

**Project Description**

Golf de l'Ocean is a 27 hole golf course situated over natural sand dunes in the heart of a eucalyptus forest with natural hazards such as dunes & pine trees. Golf de l'Ocean, designed by Collins Belt is situated close to Golf du Soleil & Golf des Dunes, 7 km from the Atlantic Palace Hotel to which it belongs & close to the Benserghao Forest.



# Montgomerie Papillon Golf Club • Belek, Turkey



## CLIENT

Montgomerie Papillon Golf Club

## OWNER

Magon Construction Co.

## LOCATION

Belek Antalya TURKEY

## SCOPE OF SERVICES

Turn key Golf Course Irrigation System

Detailed Installation plans

Supply of all Irrigation System products.

Complete Installation Service.

Irrigation system start-up, commissioning and handover

Annual Service and Maintenance Agreement

## Project Description

18 Hole golf course designed by Colin Montgomerie in Association with European Golf Design. The course opened in September 2008 and consists of 260 acres(104ha) of seaside & parkland forest with eight reservoir lakes.





**CLIENT**

URBI

**OWNER**

URBI

**LOCATION**

Mexicali, Baja California, México.

**SCOPE OF SERVICES**

Implementation Services of Irrigation Services

Set-up and start-up services of Computerized Irrigation system

Set-up and start-up services of integrated Weather Station system

Operator Training

**Project Description**

Large high-end residential development utilizing computerized central control irrigation system with integral weather station.



# Real Estate Project Irrigation Design

## Urumqi City, Xinjiang Uigur Municipality, China



### CLIENT

Xinjiang Green City, Zhejiang Green City Real Estate Group

### LOCATION

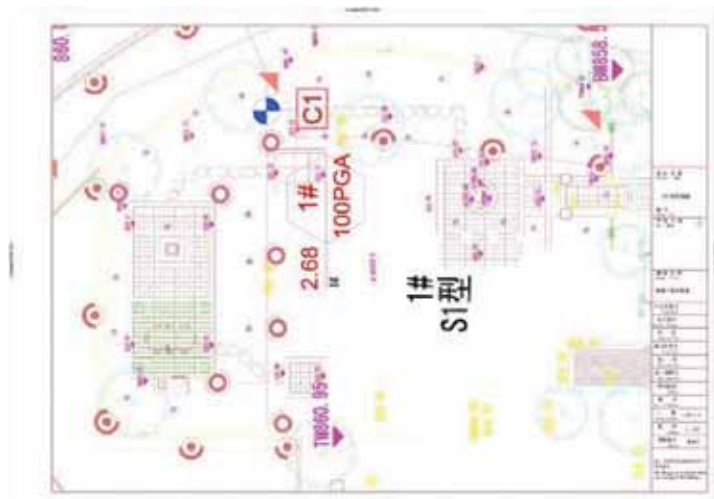
Urumqi City, Xinjiang Uigur Municipality, China

### SCOPE OF SERVICES

Complete Irrigation system design and specification

### Project Description

Residential real estate development project that includes 400 villas (Houses).



## Maintenance Contract – ADA (DQ) • Riyadh, KSA



### CLIENT

ADA (Ariyadh Development Authority)

### OWNER

ADA (Arriyadh Development Authority)

### LOCATION

Diplomatic Quarter - West of Riyadh, Kingdom of Saudi Arabia

### SCOPE OF SERVICES

Work includes annual maintenance contract to support computerized irrigation control system operation. On-Site services performed to include and support maintenance, troubleshooting, design, installation, testing and commissioning of computerized irrigation control system.

### Project Description

Diplomatic Quarter (DQ) is one of the most prestigious sites in Saudi Arabia where most embassies and foreign diplomatic offices are located. Rain Bird's computerized irrigation system has been installed more than 20 years at the DQ.

## Black Mountain Golf • Hua Hin, Thailand



### CLIENT

Black Mountain Golf Course

### OWNER

Black Mountain Estate

### LOCATION

Hua Hin (15 minutes from the city centre) Thailand

### SCOPE OF SERVICES

Commission Decoder Central Control system

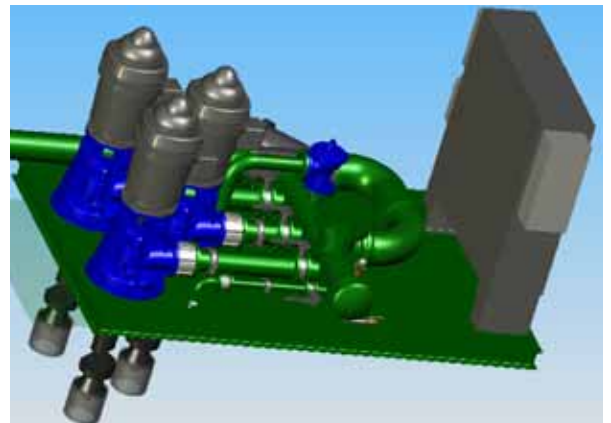
Commissioning included collection of information for stationing in database, hydraulic system in Flo-Manager and AutoCAD layers in mapping.

Commission Rain Bird Pump Station

Electrical testing and commissioning of Black Mountains 2000 gpm Rain Bird pump station which consisted of 3 x 75 hp vertical turbine pumps.

### Project Description

18 Hole Golf Course



## Gávea Hippodrome • Rio de Janeiro, Brasil - 2008



### CLIENT

Gávea Hippodrome.

### OWNER

Brasilian Jockey Club

### LOCATION

Rio de Janeiro - Brazil.

### SCOPE OF SERVICES

Project management, installation supervision, irrigation system testing, operator training, and system maintenance.

### Project Description

The Brazilian Hippodrome was opened in 1926, an amazing and beautiful architectural set, now known as the Gávea Hippodrome.

The racecourse has two running lanes: a grassy outer track and an internal sandy track.

Races on the grassy track are most valued by gamblers. However, there was significant damage caused by animal trampling during races.

This called for a quick lawn recovery, as well as turf preservation, to allow for a greater number of races. Before installing the Rain Bird irrigation system, the track allowed for a maximum of 8 races per weekend.

Now, it is estimated that up to 20 races can be held per weekend, when the lawn reaches full maturity.

Of all horse races held in the hippodrome, the Brazilian Grand Prix is the most popular competition, important to national and worldwide horse racing. On that day, Gávea Hippodrome has more than 50,000 visitors.



# Quintas de Sauípe – Grande Laguna Condominium

Mata de São João, Brasil - 2008



## CLIENT

Norberto Odebrecht Construction Co.

## LOCATION

Sauípe, Mata de São João town, 74 km from Salvador - Brazil.

## SCOPE OF SERVICES

Project management, project commissioning, installation supervision and start-up of the Central Control Irrigation System which has a total of 500 sectors or valves and approximately 8,800 spray sprinklers in the condominium common areas.

Installation, configuration and testing of software, weather station and other system field devices.

The residential lots were available with a complete water, energy and automation systems. The irrigation can be installed at the house's gardens by choice of each owner. The management of daily water has been operated from the Central Control located at the condominium administrative office.

## Project Description

This Condominium project with 466 thousand square meters, is located in one of the most beautiful areas of Bahia state coast.

The infrastructure offers full recreational facilities including a club, restaurant, coffee shop, lounge, deli, fitness and spa center, cultural space, soccer, basketball, volleyball and squash squares, along with piers located at different points of the great lagoon, with boats and beach support.

Condos and pay-per-use services, playgrounds, green track, mini-golf and canopy walk supplement the benefits offered to the owners. The project has 170 residential lots with approximate 1,800 square meters each owned by many foreigners as holiday homes. Complete security and various services ensure the owners complete property maintenance in their absence.





## CLIENT

King Abdulla University of Science & Technology (KAUST)

## OWNER

Saudi Aramco

## PROJECT DESCRIPTION

King Abdullah University of Science and Technology (KAUST) is being built in Saudi Arabia as an international, graduate-level research university dedicated to inspiring a new age of scientific achievement in the Kingdom that will also benefit the region and the world.

## SCOPE OF SERVICES

- Computerized Irrigation Control system Testing & Commissioning services.
- Work includes testing & commissioning for two irrigation central control systems covering the campus, public areas, town center & residential zones.
- Rain Bird provided services including the following activity: Preparation of Check list for the system Test & Commissioning; software installation in the PC provided; set up Weather Station, configuration of field equipment such as stand-alone controllers, satellite controllers, sensors, and Pulse Transmitter calibration. Also provide training to the operator on data entry and programming; check the Satellite Controllers for communication; test the operation of each unit and make sure all field equipment is operating; provide system back-up; and on-site training as required.



Alegria Mine

## CLIENT

Mariana Complex

## OWNER

VALE – Vale do Rio Doce Company

## LOCATION

The Mariana Complex in the state of Minas Gerais, Brazil, consisting of the following iron ore mines: Alegria, Fábrica Nova, Fazendão, Timbopeba, Del Rey and Capanema.

## SCOPE OF SERVICES

Project management, installation supervision, system commissioning, central control configuration, start-up management, and operator training.

## Project Description

VALE is a global company, headquartered in Brazil, with over 100,000 employees. VALE produces and sells several types of minerals, and is the world's largest iron ore producer.

The dust generated in the production process and in the ore transport is, undoubtedly, harmful to the environment and an issue to operational safety. On truck routes, streets and internal mining access, the use of irrigation prevents the suspension of dust particles generated by vehicle traffic. On slopes in the mines, dust-control irrigation prevents particles from suspending in the atmosphere. Rain Bird computerized irrigation systems keep enough moisture on the surface so dust is not generated and control the application of water so sludge is not produced.





## CLIENT

Royal Jakarta Golf Course

## OWNER

Royal Jakarta, Board of Directors

## LOCATION

Halim, Jakarta City, Indonesia

Located at the heart of Jakarta, Royale Jakarta Golf Club is easily accessible via the city expressway, a mere 700 meters off the Pondok Gede exit.

## SCOPE OF SERVICES

Commission Satellite Central Control system

Commissioning included collection of information for stationing in database, hydraulic system in Flo-Manager and Auto-CAD layers in mapping.

Commission Rain Bird Pump Station

Electrical testing and commissioning of Royale Jakarta's 3750 gpm Rain Bird pump station which consisted of 5 x 75hp vertical turbine pumps.

## Project Description

With its 27-hole course, Royale Jakarta Golf Club is built with the concept of green paradise, surrounding serene lakes, fitted with ultra modern facilities to take you to the next level of prestige. Aspired to be the best golf club in Jakarta, it is a masterpiece of renowned golf course landscape architect from the US, Robert Moore, Jr., ASGCA. With you in mind, Royale Jakarta Golf Club is designed to be a world – class luxury sanctuary which combines the game of golf and first – class lifestyle.



## Skilled Stadium • Geelong , Australia



### CLIENT

The City of Greater Geelong

### OWNER

The City of Greater Geelong

### LOCATION

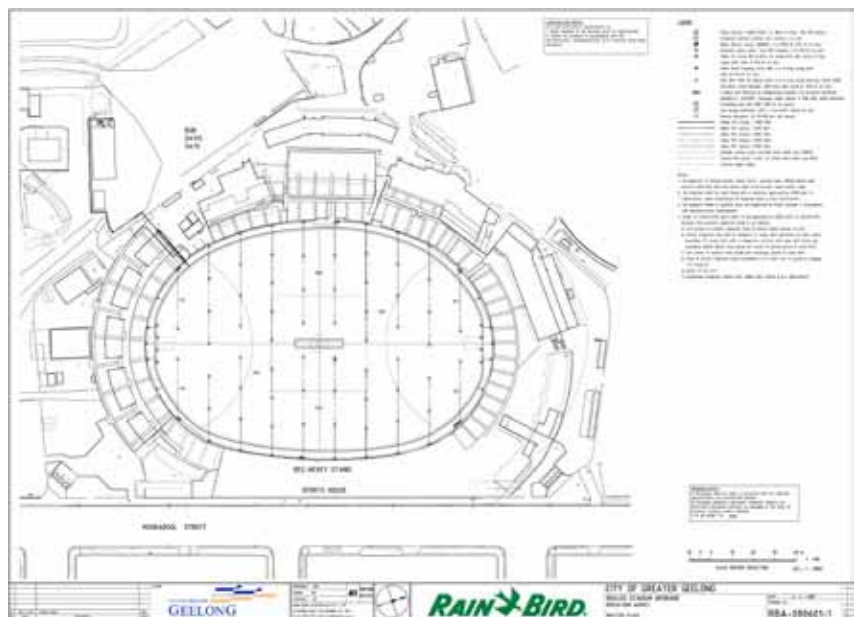
**Skilled Stadium**  
Geelong, Victoria Australia

### SCOPE OF SERVICES

1. Irrigation system design
2. Provide written technical specifications
3. Installation inspections
4. System Audit on completion
5. On site commissioning of;
  - Automated Control System
  - Pump & Filter Station

**SKILLED Stadium** is one of the largest and most prestigious venues in Victoria and is one of three venues within the state to host Australian Football League Premiership matches and the only one outside of Melbourne. The City of Greater Geelong is the owner and operator of the venue, which is located in Kardinia Park, Geelong.

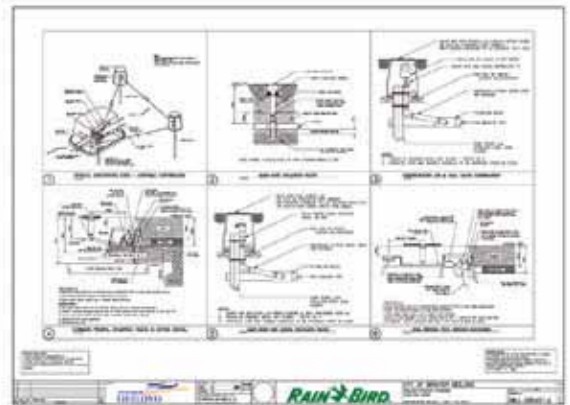
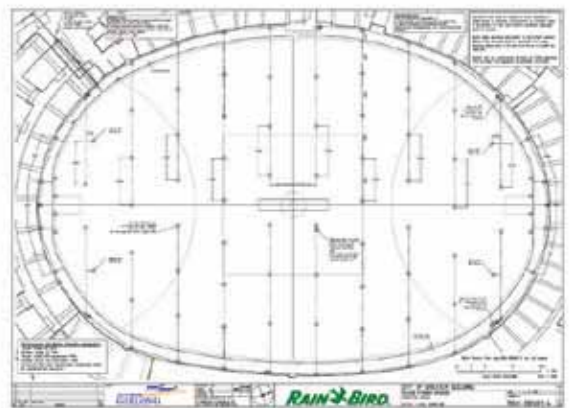
Originally built in 1941, the stadium (formally known as Kardinia Park, Shell Stadium and Baytec Stadium) is the heart of football in Geelong. Over the years the stadium has undergone a number of major redevelopments, the most recent addition being the magnificent Reg Hickey Stand, officially opened by Premier Steve Bracks on Sunday 1st May 2005. The latest stadium redevelopment now provides the Geelong community with an impressive state of the art facility.



# Skilled Stadium • Geelong , Australia

## Project Description

- Complete excavation and renovation, with new drainage, growing media and turf
- Complete replacement of the irrigation system.
- The water source is a combination of potable main supply and reuse water from the backwash of the Kardinia Park swimming pool complex. The water source is shared with the outer area irrigation systems within Kardinia Park, using an existing separate pump station and these areas are part of the Rain Bird Maxicom® irrigation control system.
- The irrigation design intent is to utilize industry best practices and the latest technology to provide efficient use of water, power, labour & maintenance inputs plus be environmentally sustainable





## CLIENT

Royal Queensland Golf Club

## LOCATION

Brisbane, Queensland

## SCOPE OF SERVICES

Pump station upgrade

Design and construct

Project management

Installation and certified  
commissioning services

Provision for ongoing maintenance

Project completed September 2008

## Project Description

Design for new Pump station to address issues with poor quality recycled water. Project included decommissioning and removal of existing infrastructure, construction of a new building; supply and installation of new submersible pump; new state-of-the-art injection system with liquids storage area included and connections between the pump station and the two existing irrigation outlets; Integration of communications between pump control system and existing central irrigation control system.

## Boya Eagle Golf Course • City of Debrecen, Hungary



### CLIENT

Theva KFT, Debrecen, Hungary

### OWNER

Mrs. Eva Barnas and Mr. Theo Kuppens

### LOCATION

City of Debrecen, Hungary

### SCOPE OF SERVICES

Full irrigation design

Pump House design and location plan for pump station

Consultation service and installation supervision

On going maintenance agreement for controller system and pump station

### Project Description

18-hole golf course with full coverage of fairways, greens back to back configuration and tee boxes with separate system for the bunkers and bunker edges. System equipped with a Rain Bird pump station and Rain Bird central control system.





### **CLIENT and OWNER**

Son Vida Golf

### **LOCATION**

In the isle of Palma de Mallorca, one of the Balear Isles, Spain

### **SCOPE OF SERVICES**

System start up service for Rain Bird computerized control system (Nimbus II – Satellite/decoder system)

Annual service maintenance agreement including on-site servicing as required

### **Project Description**

The Son Vida golf course is situated near the capital of the island, Palma. Majorca's oldest and most time-honored golf course was renovated in 2001 by the renowned golf course designer, Kurt Rossknecht. Son Vida is an 18-hole golf course with a total length of 5061 meters.

# Golf de Valberg • Valberg, France



## CLIENT

Golf de VALBERG

## OWNER

VALBERG Municipality

## LOCATION

Valberg - FRANCE

## SCOPE OF SERVICES

Measurement of sprinkler precipitation and uniformity of application

Inspection of sprinkler selection, positioning, operating conditions and available water pressure

Calculation of irrigation programming considering precipitation rates and plant requirements

Check of hydraulic network pipe sizes, regulation of hydraulic flow, balance of sub network, and working conditions

Check of electrical network cable sizing, cable protection and condition of operation

Central control system operation analysis and adaptation to actual requirements taking into account the system limits

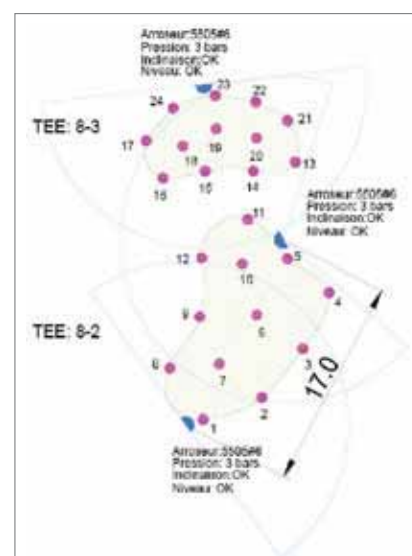
Prioritized recommendations were provided with detailed technical actions

## Project Description

The Valberg Golf Club gives splendid 360° viewpoints from the Mont Mounier to the Saint Honorat mountain and of the Argentera and Mercantour.

The course was designed by Olivier Dongradi, and includes quality fairways, natural greens and carefully maintained tees.

The Valberg Golf Club was facing existing irrigation system performance issues. Rain Bird provided a complete system assessment that resulted in specific recommendations to ensure the most efficient use of the existing system.





## CLIENT

Banco Santander

## OWNER

Banco Santander

## LOCATION

Madrid, Spain

## SCOPE OF SERVICES

Design consulting for all irrigated landscaped areas including estimation and sizing of the different irrigation systems, main pipes (location and sizing) and installation work

Start-up service for all computerized systems

Annual service maintenance agreement

## Project Description

Called Financial City, the Corporate headquarters for Banco Santander was built in 2004 and has 6800 employees on site. In 2008 Banco Santander was the third largest bank in the world.

The total area of Financial City is about 395 Acres including an 18-Hole golf course. The golf course was designed by Rees Jones, a famous American golf architect.

The total irrigated landscape surface is about 105 Acres including 235 exceptional olive trees. For these 105 Acres, 20% are turf and the rest are shrubs. All of the landscape irrigation is controlled with a Rain Bird computerized system (Maxicom<sup>2</sup> with 6 satellites PAR+ES Dec and a weather station WS-PRO). There are more than 300 electric valves.

The golf course is also controlled using a Rain Bird computerized system (Cirrus Satellites).

Financial City continues to expand, with Rain Bird specified on all irrigated areas.

