



Universal Beijing Resort™, China

Rain Bird® Creates Custom Irrigation Solution for World's Largest Universal Studios Theme Park and Resort

Universal Beijing Resort is a theme park and entertainment resort complex complete with world-class entertainment, lodging, dining, and shopping. Upon completion, the 4 square kilometer property will be the largest Universal resort in the world and will include a Universal Studios theme park, two hotels, 80 restaurants, 30 retail stores, 37 rides and attractions, 24 shows, and more.

THE CHALLENGE:

Irrigating such a complex property requires a customized solution and a sophisticated central control system. All components must be durable enough to withstand reclaimed water from the resort's onsite water treatment facility. The new landscaping, which includes thousands of mature trees, needs sufficient water to take root in Beijing's somewhat dry climate. The grounds must appear pristine, as if they came straight out of a movie.

THE SOLUTION:

Create a tailormade Rain Bird system to adequately water the resort's diverse areas. Include robust commercial-grade components that can withstand the reclaimed water—even if they've never been used in China before. Install an intuitive control system to reliably manage the entire project.



ESP-SITE-SAT Series Satellite Controller

Core Products Used:

- [SiteControl](#)
- [ESP-SITE-SAT Series Satellite Controller](#)
- [RD-1800-SAM-PRS-30](#)
- [Root Watering System](#)
- [MPR Series Fixed Pattern Spray Nozzles](#)
- [5000+ Series Rotors](#)
- [Micro-Quick Sprays](#)
- [PESB Series Valves](#)

KEY OBJECTIVES

- ✓ **Customize a Precise Solution**
- ✓ **Withstand Reclaimed Water Debris**
- ✓ **Manage with a Central Control System**



Site Report: **Universal Beijing Resort, China**

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APPROACH:

Pioneer a Solution

Many of the Rain Bird components best suited for the Universal project are manufactured for the U.S. market and have never been used in China previously. The RD-1800-SAM-PRS-30 Spray Heads and PESB-R Series Valves offer reliable performance in reclaimed water applications. Similarly, the 5000+ Series Rotors are also engineered to withstand harsh conditions. MPR Series Fixed Pattern Spray Nozzles offer the best matched precipitation in the industry. All elements are expected to function properly at the Beijing Universal Resort thanks to adapters as well as modifications made by the installers.

Ensure Trees Take Root

Universal's expansive property features thousands of newly planted trees. To avoid transplant shock and ensure they take root, each tree will be equipped with three individual Root Watering Systems that provide water directly to the roots and adjacent soil. **In total, the project will include 26,000 Root Watering Systems.**

Enable Seamless Control

Universal intends to manage the system through their Local Area Network, so SiteControl from Rain Bird is the perfect solution. This easy-to-use central control system integrates with ESP-24SITE Satellite Controllers to enable state-of-the-art ET-based scheduling, and interactive map interface and real-time monitoring.



“ The whole project used Rain Bird irrigation products and Rain Bird has provided wonderful support... as the largest Universal Studios in the world, this is an incredible accomplishment.

BEIJING LAKERS IRRIGATION EQUIPMENT CO., LTD.
RAIN BIRD DISTRIBUTOR

RESULTS:

Fantasy Brought to Life

Through its many attractions, Universal Studios brings fantasies to life. That includes a never-before-seen Rain Bird system that's tailored to the varied lands of Jurassic World™, the Wizarding World of Harry Potter™ and beyond.