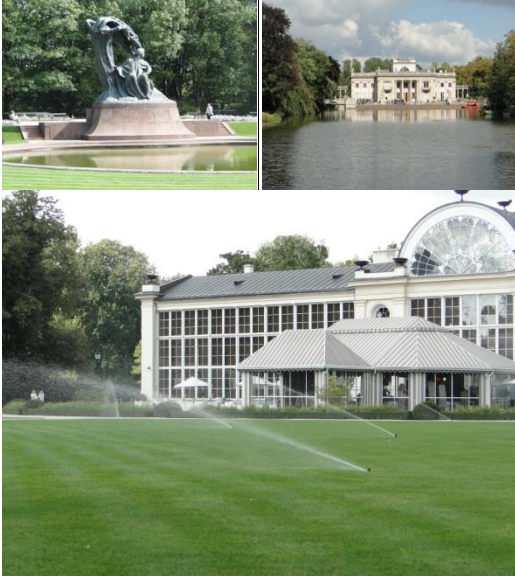


Royal Łazienki Park - Irrigation system centralization with IQ Cloud



CONTRACTING AUTHORITY:

Royal Łazienki Museum, Warsaw,
Poland

CONCEPTUAL DESIGN:

Tanake Professional

INSTALLATION AND PROGRAMMING

Tanake Professional

COMPLETION DATE:

September 2016

RAIN BIRD REPRESENTATIVE:

Witold Drabczyk, Rain Bird Europe

RAIN BIRD PRODUCTS:

- IQ V3
- ESP-LXME

"Right now, many operations associated with adjusting irrigation are fully automatic, as the system uses the Global Weather features and optimizes irrigation intensity by itself."

Małgorzata Dudek-Grzegorzewska
Garden Department Manager

Location

Royal Łazienki Park is a historic palace-and-garden complex. It was the 18th-century residence of Stanisław August Poniatowski, the last king of Poland and features garden relics dating back to the late 17th century. The site is located right in the center of Warsaw and is a popular venue for the city's residents to relax in. It is also a must-see for tourists visiting the capital. The complex hosts innumerable exhibitions, concerts and cultural events.

Project description

Centralization of the existing, stand-alone irrigation systems spread across various parts of the complex, spanning a total area of 60,000 m². Implementation of standard and cohesive irrigation procedures/systems.

The challenge

The current irrigation system, distributed across various parts of the garden, comprised a number of separate and independently operated subsystems. Over the years these systems were installed by various companies and operated pursuant to pre-defined schedules. Daily servicing and management of irrigation posed a major challenge for local maintenance crews. The use of technologies dating back a dozen or so years made keeping the system in good working order even more difficult.

The solution

IQ Cloud, Rain Bird's central control system, was chosen to solve this problem. The existing systems had to be fitted out with modern Rain Bird ESP-LX series controllers and NCC communication modules before the central and remote irrigation control could be used. This kind of solution does more than just improve daily irrigation monitoring and overall control from the office level, it also delivers information pertaining to local weather conditions in order to better configure irrigation schedules for given areas.