

GOLF COURSE OPTIMIZATION:

REAL-WORLD DATA REPORT



2 Locations
France

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Introduction

Golf courses require extensive maintenance to ensure pristine greens, vibrant fairways, and long-lasting landscaping. Key challenges include water consumption, energy costs, turf health, and soil quality management—all of which directly impact playability and operational expenses.

InTenZ Technology, revolutionizes turf management with next-level irrigation optimization, soil performance enhancement, and reduced operational costs. More than just an upgrade, InTenZ is a necessity for courses aiming for championship-level conditioning while maximizing financial efficiency.



Real-World Results Across European Golf Courses

Facility: UGolf Pulnoy Golf Course, Grand Nancy, France

Irrigation Efficiency: Reduced water usage by 20%, enabling cost-effective irrigation during dry months.

Energy Savings: Pump operation optimization resulted in a 24,700 kWh/year decrease in electricity consumption, lowering utility costs.

Turf Quality Improvements:

- Significant reduction in fungal outbreaks like fairy rings, ensuring healthier playing surfaces.
- Sustained turf health during heat waves, preventing burn-out effects on fairways and greens.

Soil Health: Improved water infiltration and minimized pooling issues, allowing deeper root growth for more resilient turf.

Economic Impact: Annual savings of approximately \$10,350, with ROI achieved in 1.6 years.

Facility: Golf de Preisch, Moselle, France

Installation Overview: Applied to one sprinkler out of five on green number 1—the most challenging area prone to yellowing and fungal issues.

Performance Highlights:

- Water infiltration rates improved, reducing pooling from 8 hours to just 1.5 hours.
- Disease reduction achieved through optimized irrigation schedules, ensuring healthier turf with fewer chemical treatments.

Scalability: Demonstrated targeted application, ensuring precision improvement without full-system upgrades.



Why Golf Course Superintendents NEED InTenZ Technology

Unmatched Turf Health & Resilience

- **Deep Root Growth:** Strengthens turf against drought, foot traffic, and extreme weather conditions.
- **Disease Resistance:** Eliminates fungal outbreaks like fairy rings, brown patches, and dollar spot.
- **Heat Stress Protection:** Maintains peak turf quality during heat waves, avoiding burn-out.

Water & Irrigation Optimization

- **Up to 20% Less Water Usage:** Precision moisture control eliminates waste while ensuring optimal hydration.
- **Improved Water Infiltration:** Eliminates pooling issues, promoting stronger, more resilient turf.
- **Scalability:** Works without full-system upgrades, making it cost-effective for any course.

Energy & Cost Savings

- **Pump Efficiency Boost:** Reduces electricity consumption by 24,700 kWh/year, cutting operational costs.
- **ROI in Under 2 Years:** Courses see fast financial returns, making InTenZ a must-have investment.

- Lower Maintenance Costs: Less irrigation, fewer chemical treatments, and longer turf lifespan.

Sustainability & Environmental Impact

- Eco-Friendly Turf Management: Reduces reliance on chemical fertilizers and pesticides, promoting sustainable practices.
- Carbon Footprint Reduction: Lower energy consumption, supporting greener golf course operations.
- Wildlife & Soil Protection: Supports natural ecosystems, creating healthier landscapes.

Broader Applications in Golf Course Management

InTenZ Technology provides scalable solutions for golf courses globally, ensuring next-level performance in every aspect of turf management:

- Irrigation Optimization: Lower water usage with effective moisture distribution.
- Soil Health Enhancement: Improves nutrient absorption, fostering stronger turf growth.
- Energy Efficiency: Reduces electricity consumption through pump optimization.
- Disease Mitigation: Balances soil moisture, minimizing fungal outbreaks.



Conclusion

The data-driven insights from golf courses across Europe validate InTenZ Technology as a game-changer for the industry. By directly addressing turf health, water efficiency, energy consumption, and cost savings, InTenZ empowers golf course operators to achieve sustainability goals while maintaining championship-level playing conditions.

With fast ROI, reduced costs, and unmatched turf resilience, golf course superintendents can't afford to ignore the benefits of InTenZ. It's not just an upgrade—it's a necessity.