

CENTER PARCS LONGFORD



POOL SYSTEMS:

1. Water Treatment and Filtration Systems:
 - a. Wave pool
 - b. Indoor Spa pools
 - c. In/Out pool & River Rapids
 - d. Venture Harbour
 - e. Venture Cove
 - f. Flume Pool
 - g. Plunge Pool
 - h. Aqua Sana Vitality pool
 - i. Aqua Sana Spa pools

2. Water and Air Features:
 - a. Wave pool
 - b. Indoor Spa pools
 - c. In/Out Pool & River Rapids
 - d. Venture Harbour
 - e. Venture Cove
 - f. Aqua Sana Vitality Pool
 - g. Aqua Sana Spa Pools
 - h. Various water features & play structure

3. Ride and Attractions:
 - a. Wave Machine
 - b. Van Egdome flumes (hydraulics only)
 - c. In/Out Pool & River Rapids
 - d. Venture Harbour attractions
 - e. Venture Cove attractions

FTL SERVICES:

Design, supply, installation and commissioning:

- Water treatment and filtration systems
- Ride hydraulics
- Water features
- Wave machine
- Vitality pool cover

COMMERCIAL:

Project value: €233m

FTL sub-contract: £2.9m

PROJECT TEAM:

Client: Center Parcs

Principal Contractor: John Sisk & Son (Holdings) Ltd

Architect: Holder Mathias Architects

Cost Consultant: Edmond Shipway LLP

Pool consultant: Devin Consulting

OTHER INFORMATION:

Project completion: Jul 2019

FTL Partner: Van Egdome (rides and features)



The water treatment and filtration systems were specified by Devin Consulting Engineers. All pool are filtered with traditional medium rate sand filtration and treated with Sodium Hypochlorite (disinfection), Sodium Bisulphate (ph control) and UV (secondary disinfection).

Aside from the Vitality pool in the Aqua-sana building, all the pools were free form and surrounded by themed finishes and plantation. The distribution design on every pool therefore had to be carefully planned.

Interesting facts:

- 6.6km of pipework installed, ranging from 1" to 20".
- Over 500 isolating and control valves installed.
- 17 sand filters installed.
- 44 pumps across all filtration and feature systems.
- Largest system flow is 3,300m³/hr on the rapids river.
- 1.5million litres of water treated every hour.
- Over 100 water features.

