

### *Aeration and IFAS*

Finham STW - Coventry



#### Scope of services

- Replace FBDA and install IFAS system
- Design
- Manufacture
- Installation
- Commission

#### Scope of delivery

- Remove existing FBDA
- Replace air header pipework, associated valves and droppers
- Install 8,712 Jetflex® tube diffusers - 726 per lane
- On-site erection of 'flat-packed' IFAS cages
- Install IFAS cage guides and cages

#### Specifics

- All IFAS cages and pipework of Grade 304 stainless steel
- 3 x ASPs, 4 x lanes per ASP, 12 lanes in total - 14 cages per lane - total 168 cages
- 197,000 sq. metres of Biotextil curtains
- Increases biomass under aeration by 33%

#### Technical data

- Up-rating of existing activated-sludge plant to treat a greater load to a higher standard
- Discharge permit 3 mg/l Ammonia (from March 2020)
- Population Equivalent 490,000 (2028 Design Horizon)
- Maximum flow of 266,087 cubic metres/d

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#### Client

CiM6 on behalf of  
Severn Trent Water

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#### Completion

July 2019

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