

## Engineer - Water Management



32 years old  
Driving License

Water Risk Management

Flood Risk Assessment

Asset Management

GIS data analysis

Hydraulic Modelling

### CONTACT

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### ABOUT ME

I have been working as an engineer within various branches of the Water Industry for the past 8 years. I started my career in France with Hydratec, and then joined WSP in the UK in 2017. I have worked on a wide variety of projects for water companies, including hydraulic modelling and verification to support asset management studies relating to drainage systems. I then joined a local government team to work on the Shropshire Council framework. I am now part of the Water Risk Management team, delivering projects for a wide variety of clients

My work has given me good knowledge of GIS data manipulation, as well as modelling experience with InfoWorks ICM. More recently, I started learning about Civil 3D and highway drainage design.

## EXPERIENCES

### Engineer - Water Risk Management

WSP in the UK - Since September 2021 - Full-time - Birmingham - United Kingdom

- Flood risk management for Norfolk County Council
- Flood risk management for Carmarthenshire County Council
- SFRA and LFRMS for Bournemouth, Christchurch and Poole Council
- Planning reviews from Suffolk County Council



### Environment Agency Appointed member

English Severn and Wye RFCC - Since July 2022



### West Midlands Committee member

CIWEM - Since January 2022



- Assisting event organisation
- Administrating the LinkedIn group

### Engineer - Flood and Water Management

WSP in the UK - January 2020 to August 2021

- Engineer on the design of highway drainage schemes for Shropshire Council
- Land Drainage Officer on behalf of Shropshire Council



### Assistant Engineer - Flood and Water Management

WSP in the UK - February 2019 to December 2019 - Full-time - Shrewsbury - United Kingdom

- Interim Flood and Water Management Commissioning Officer for Shropshire Council
- Land Drainage Officer on behalf of Shropshire Council
- Involvement in the design of highway drainage designs for Shropshire Council



### Assistant Engineer - wastewater modelling

WSP in the UK - April 2017 to June 2019 - Full-time - Birmingham - United Kingdom

- Sustainable Drainage Planning Framework – DCWW Welsh Water
- System Asset Plan – Anglian Water
- Drainage Area Plan of Ballymoney – Northern Ireland Water
- Drainage Area Plan of West Pier (Dublin) – Irish Water
- Project manager for 4 catchments in West Wales - Data analysis, stakeholder meetings, risk identification, root cause analysis, survey planning, model update and long-term solution development
- Data collection and organisation for PR19 management plan
- Client stakeholder engagement with the operations teams
- Survey planning
- Writing of catchment planning report



### Assistant Engineer

Hydratec - April 2014 to September 2015 - Full-time - Tours - France



- Upgrade of technical specification for reactant injection systems in nuclear plants
- Preliminary project for the modifications on water treatment systems for cooling towers in nuclear plants
- Wastewater network modeling
- Preliminary project for the installation of a protection against accidental pollution on a rainwater network with network modeling
- Study of aging industrial water treatment plants

### Year in Industry

Hydratec - June 2012 to September 2013 - Temporary Work - Tours - France



- Study on the flooding risk on French nuclear plants after major rain
- Study on the network of the boiler plant of Grigny (91350)

- Report in a bibliography on the field of green chemistry for water treatment
- Visit of different nuclear plants, correction of rainwater network plan, network modeling on Hydranet ® (modeling software developed and marketed by the company), a report for EDF (french firm producing and commercializing energy)
- Check of the network of the boiler plant (dye test), correction of the network plan and report to the firm (SOCCRAM)
- Looking for an alternative to metal salts (such as aluminum) for the coagulation-flocculation processes among products of green chemistry, or physical processes using iron instead of aluminum

## SKILLS

### Water Risk Management

- Appraisal (SOC, OBC, FBC)
- Flood Risk Assessment
- Flood Plain compensation
- Planning (application reviews, SFRA, LFRMS)

### Hydraulic

- Urban drainage
- Hydraulic modelling
- Asset management

### Computer skills

- Microsoft Office
- QGIS / MapInfo
- Hydranet
- AutoCAD / Civil 3D
- InfoWorks ICM

### Languages

- French : native speaker
- English
- German
- Polish (spoken : advanced level  
read / written : average level)

## EDUCATION

Since 2021

**CHARTED INSTITUTION FOR WATER AND ENVIRONMENTAL MANAGEMENT**

### Member

M.CIWEM

September 2010 to September 2014

**ECOLE NATIONALE SUPÉRIEUR D'INGÉNIEURS DE LIMOGES**

### Engineer in Water management and Environment

Studies Project in partnership with Imerys : treatment of a Thiobacillus in an industrial ceramic

February 2012 to June 2012

**GDANSK UNIVERSITY OF TECHNOLOGY**

### ERASMUS Semester in Poland

Faculty of Civil Engineering

Faculty of Environmental Engineering

## INTERESTS

### Information Technology

- Python
- Blender

## Hypnotherapy

- Practitioner Diploma in Clinical Hypnotherapy (since January 2020)
- Member of the British Council of Clinical Hypnosis

## Arts

- Origami
- Calligraphy