



**Scottish  
Water**

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# Welcome

## Thank you for attending today's event about our Glenfarg Water Treatment Works (WTW) proposals.

With our alliance delivery partner, Efficient Service Delivery (ESD), Scottish Water has been developing investment plans to upgrade at East Blair. The Water Treatment Works (WTW) supplies drinking water for customers in Kinross-shire and part of Fife.

The objectives of today's event are:

- To provide information on our plans and seek feedback before we apply for planning consent
- To discuss how we can manage the impact of construction work
- To answer questions and discuss any concerns

We have information on:

- Who we are
- Where this work will take place
- Why the project is required
- What this will involve
- The approximate duration of the work
- What you will see on completion
- How to contact us should you have a query

We want to continue to keep in touch as our plans progress, therefore please visit [www.scottishwater.co.uk/glenfarg](http://www.scottishwater.co.uk/glenfarg) or call our Customer Helpline on **0800 0778778** quoting Capital/ 503672/esd. You can also email ESD on [community@esd.scot](mailto:community@esd.scot) with any concerns.

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## Who we are



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Working with their delivery partner



On major projects, such as Glenfarg Water Treatment Works (WTW), Scottish Water (SW) frequently works in partnership to develop solutions with trusted partners. On this project, Efficient Service Delivery (ESD) will be the principal contractor.

There will be various other subcontractors involved throughout the duration of the project and for varying periods of time, however, it is too soon to identify who they will be at this stage.



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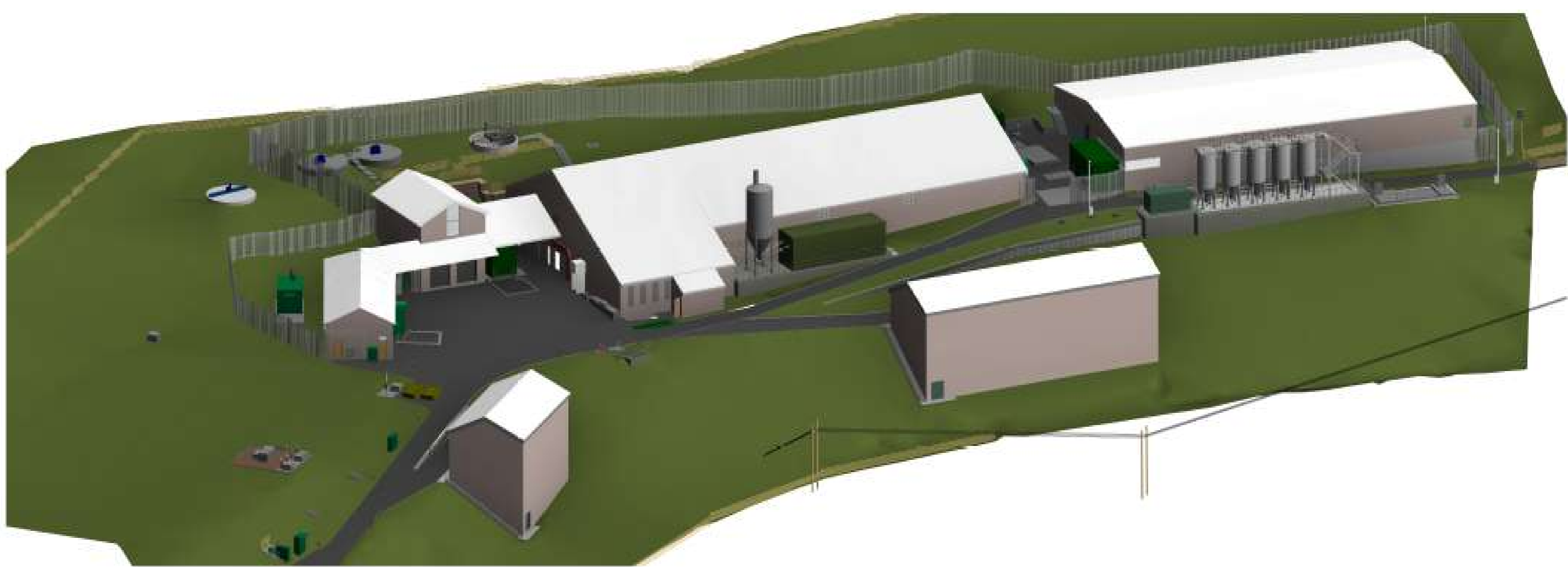
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## Why this project is required

Glenfarg Water Treatment Works (WTW) is located at East Blair and supplies over 179,000 customers across Kinross-shire and central Fife. We are increasing the drinking water storage capacity at the site and improving security of supply for customers in the area it serves.

The planned work will also improve the consistency and quality of the drinking water supplied to customers, including by ensuring a more stable treatment process and flow through the local water network.



*Proposed Glenfarg WTW*



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## What will this involve - Location

To achieve the aims of the project, new plant and infrastructure will be required, in addition to upgrades and modifications to the existing plant. The proposed location of the additional plant is indicated below:



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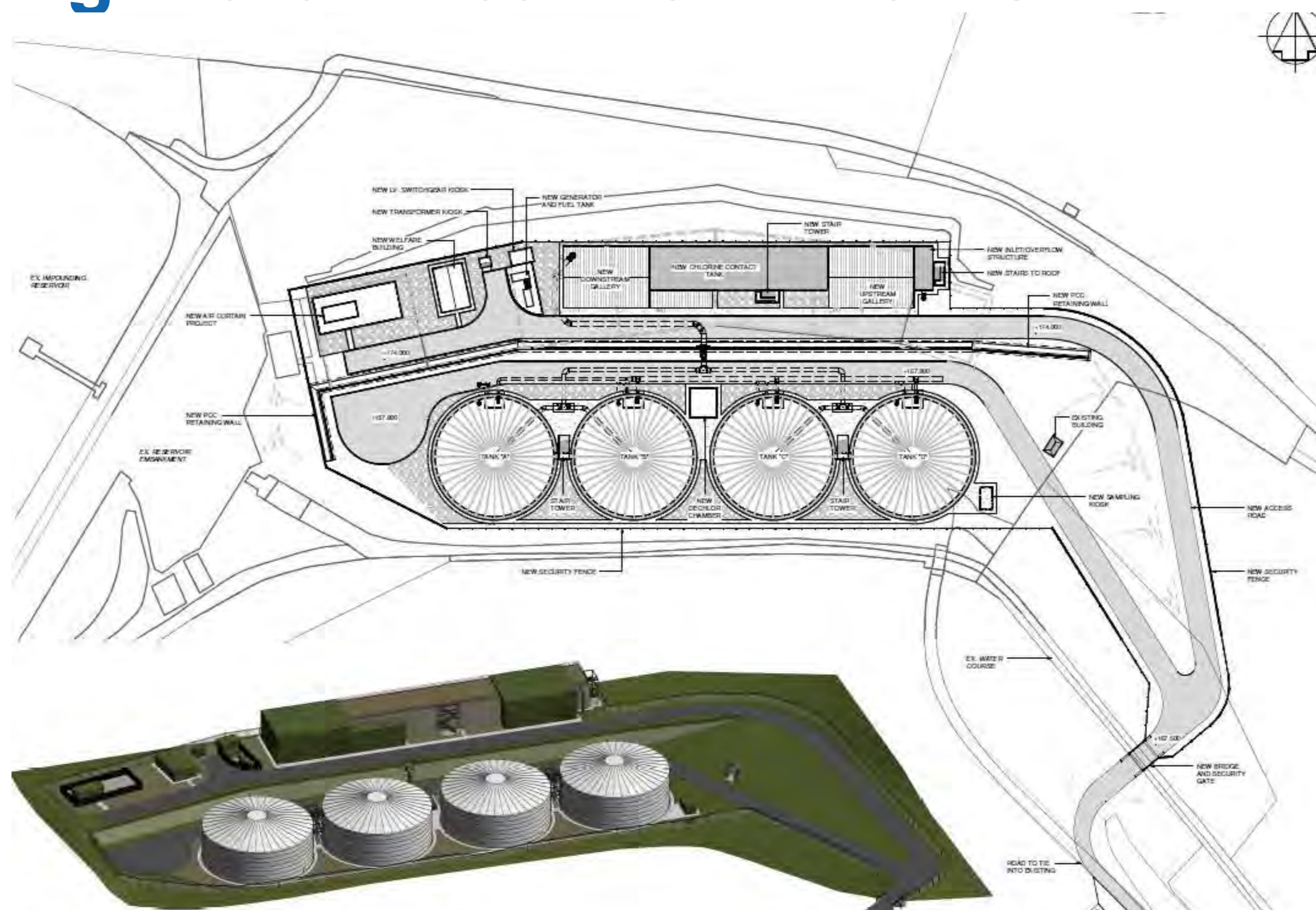


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## Scope of main project

**The proposed scope of works and site layout of the additional plant and infrastructure at Glenfarg Water Treatment Works.**



**The scope of works for this project includes the following:**

- 4 new clear water tanks
- new chlorine contact tank
- new pumping station
- new backwash tank
- upgrade and replacement of chemical dosing equipment, filter upgrades

**Subject to planning consent, work is expected to start in Summer 2023 and last for approximately 3 years.**

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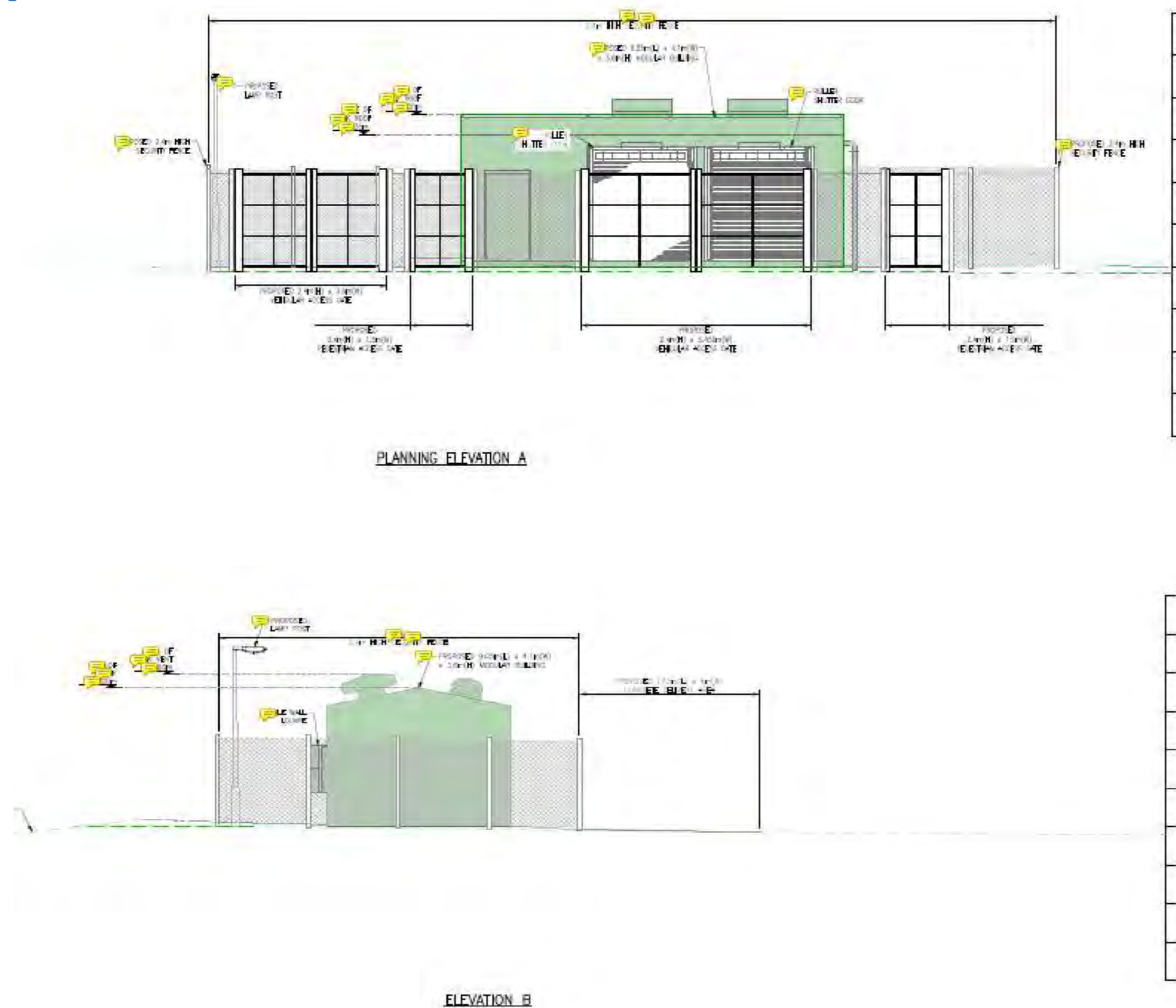
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## Scope of air curtain project

A related, separate piece of work is also planned to provide a permanent Air Curtain Building to replace the temporary arrangement that is currently used. It is hoped this work will be able to go ahead before the main project begins to deliver initial improvement in advance of the larger planned investment.

The air curtain plays an important role in improving the quality of the 'raw' water drawn from the reservoir, upstream of Glenfarg Water Treatment Works. This project will involve the installation of air curtain blowers, compressors and a switchboard within a relatively small purpose-built modular building. This work would be carried out by RSE (Ross-shire Engineering).



**Subject to planning consent, work is expected to start in Spring 2023 and last for approximately 3 months.**

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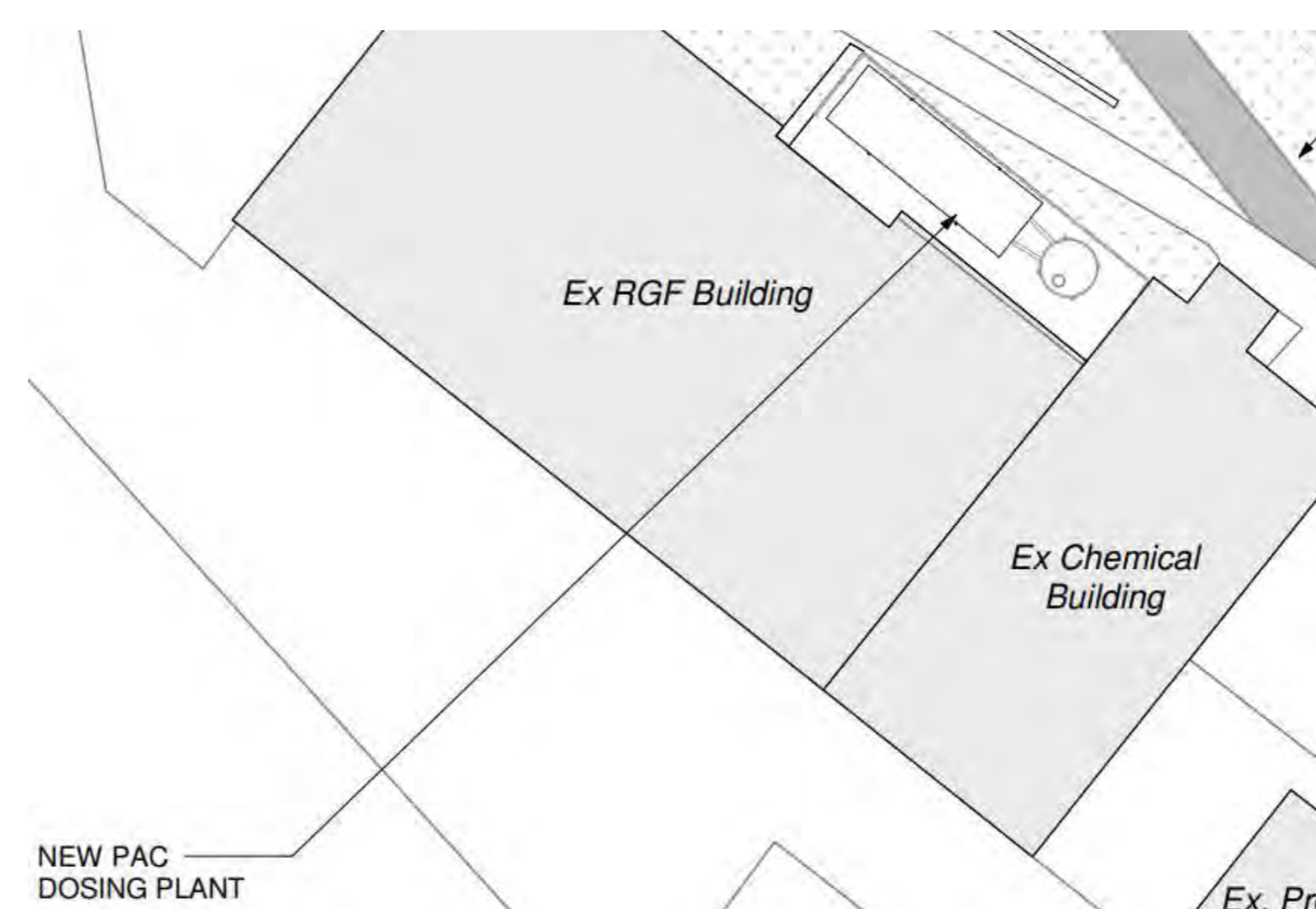
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## Scope of works at existing WTW

**Some improvements are also needed to plant at the existing WTW in advance of the larger proposed construction project.**



### Scope includes:

- **Conversion of 8 Rapid Gravity Filters (RGF) from level control to flow control**
- **Steelwork modifications to improve access to RGFs inside existing building**
- **Frost protection of exposed RGF pipework**
- **1 new Powder Activated Carbon (PAC) dosing plant with control kiosk**
- **Decommissioning of existing PAC dosing equipment**

**Planning consent for these works are currently being discussed with the planning authority and then subject to planning conditions works are likely to commence early 2023 and last for approximately 6 months.**

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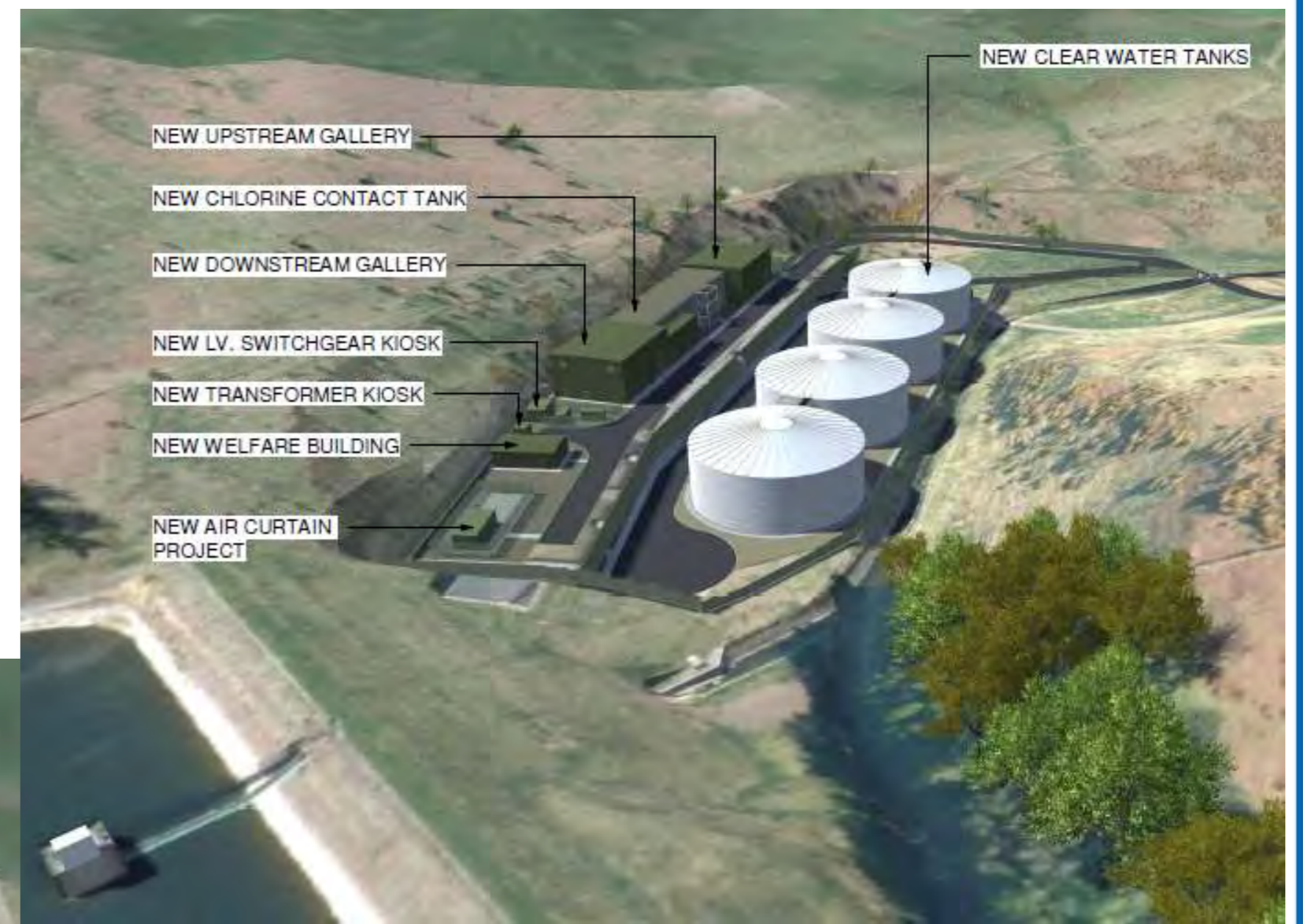


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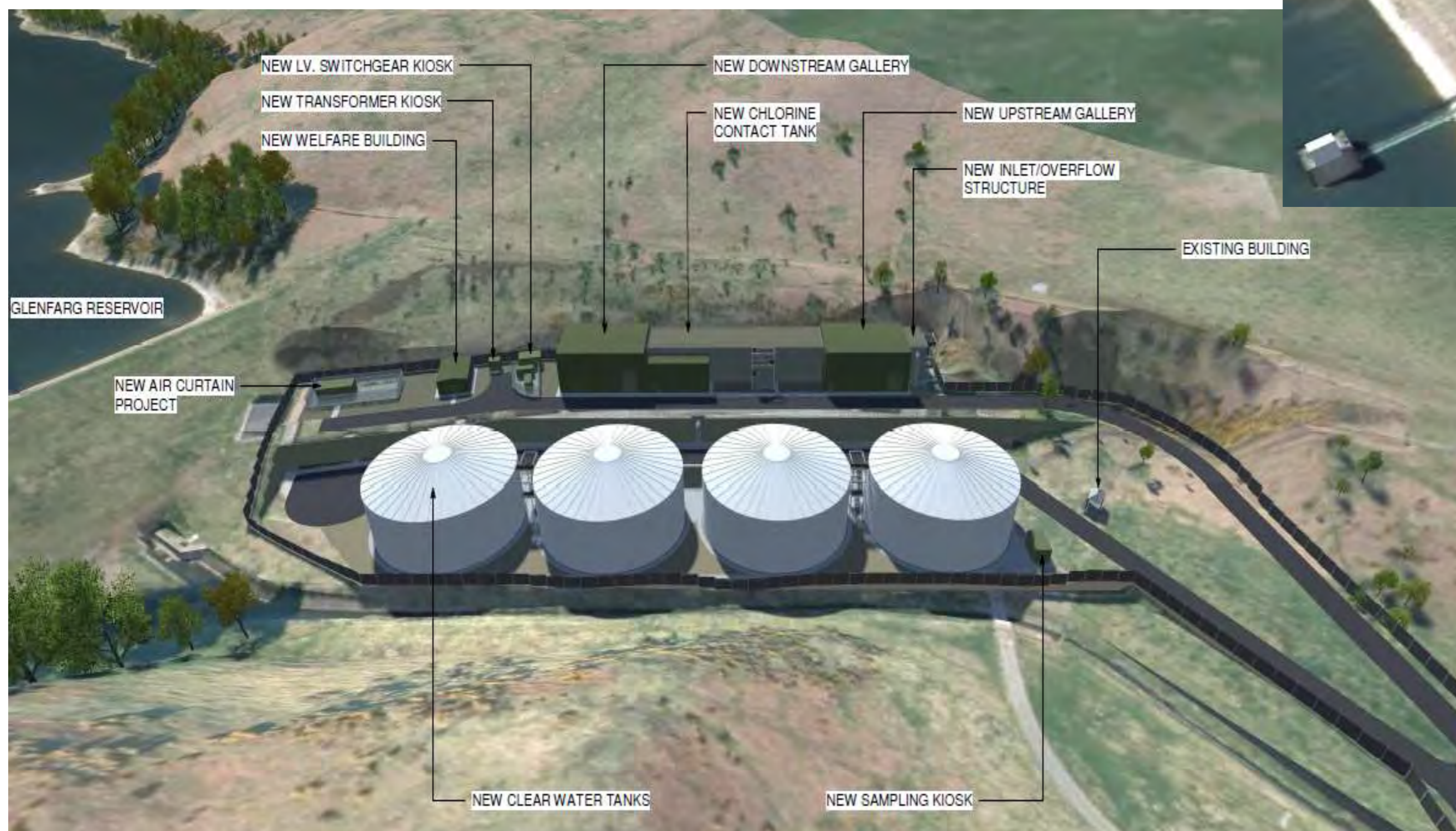
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## On completion

The drawings below provide an indication of how the upgraded water treatment works will look when the work is completed.



*Proposed Glenfarg WTW - Elevation B*



*Proposed Glenfarg WTW - Elevation A*



*Proposed Glenfarg WTW - Elevation C*

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## Keeping you in the picture

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### Environment at Glenfarg

**Environmental advisors have been engaged on the project (ESD and SW) and will consult and advise throughout the duration of the project.**

**Red squirrels and Beavers are known to be present in the vicinity of the existing works.**

**An Environmental Risk and Action Plan will be produced and will detail all risk and mitigation measures.**

**Ecological surveys will be carried out as part of the project.**





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## Traffic Management at Glenfarg

**Various traffic management measures are being investigated by ESD:**

- 1. Engaging a logistics manager**
- 2. Development of a holding area for escorting HGV deliveries**
- 3. Implementing managed parking restrictions within Glenfarg**
- 4. Improving passing places along the access road**
- 5. Surfacing improvements**
- 6. Verge improvements including betterment for soft verges and potential for vehicle restraint systems**
- 7. Vegetation removal and pruning**
- 8. Signage improvements**
- 9. Measures to mitigate substandard sighting distances**
- 10. Winter maintenance**







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## Vehicles & Plant at Glenfarg

**Glenfarg WTW is classed as a major project. Due to the size and extent of the works involved and the new infrastructure required, there will be heavy plant and machinery required to carry out the construction works and make deliveries to the site. Examples of the types of vehicles and machinery likely to be attending site would be excavators, dumper trucks, dozers, cranes, low loaders, tippers, telehandlers, road pavers, rollers, generators, fork-lift trucks. Some photos are shown below to give an idea of their size and appearance.**







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### Planning and Licensing at Glenfarg

**The proposals for the project scope will be subject to a planning consent being granted by Perth & Kinross Council. Early discussions have been held and feedback has been reflected in the most recent solution, including their preferred location.**

**SEPA have provided feedback and in principle have no objection to the proposed works.**

**A variation to the existing CAR licence may be required, however, this is to be discussed further with SEPA. They are also interested in the proposals for the new access bridge, and we will work closely with them as the project develops.**





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# Keeping in touch

**Scottish Water and ESD are committed to keeping you and the local community fully informed and engaged with the work we are doing.**

We hope today's event has given you an understanding of our plans and an opportunity to discuss any questions or concerns.

Scottish Water is a publicly owned company, accountable to the Scottish Parliament and the people of Scotland. We operate within a strict policy and regulatory framework, but we are making this investment for our current and future customers in this area. We are keen to work with you to minimise any short term disruption this involves.

## Volunteering programme



Every Scottish Water employee can take up to 2 days a year to get involved in education, conservation or community activities. Get in touch if there are volunteering opportunities locally that you think could benefit from our support.

We are keen to get involved in the local community, please email ESD directly [community@esd.scot](mailto:community@esd.scot) with any ideas or information of any local events that you would like us to support.

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## Meet the Team - Glenfarg Project



**Jane McKenzie**  
Communications Manager -  
Major Projects (SW)



**Dominic Flanagan**  
Delivery Manager -  
Major Projects (SW)



**Allan Dougall**  
Project Manager  
(ESD)



**Gavin Steel**  
Corporate Affairs Manager  
(SW)



**Kevin MacLeod**  
Senior Project Manager  
(ESD)



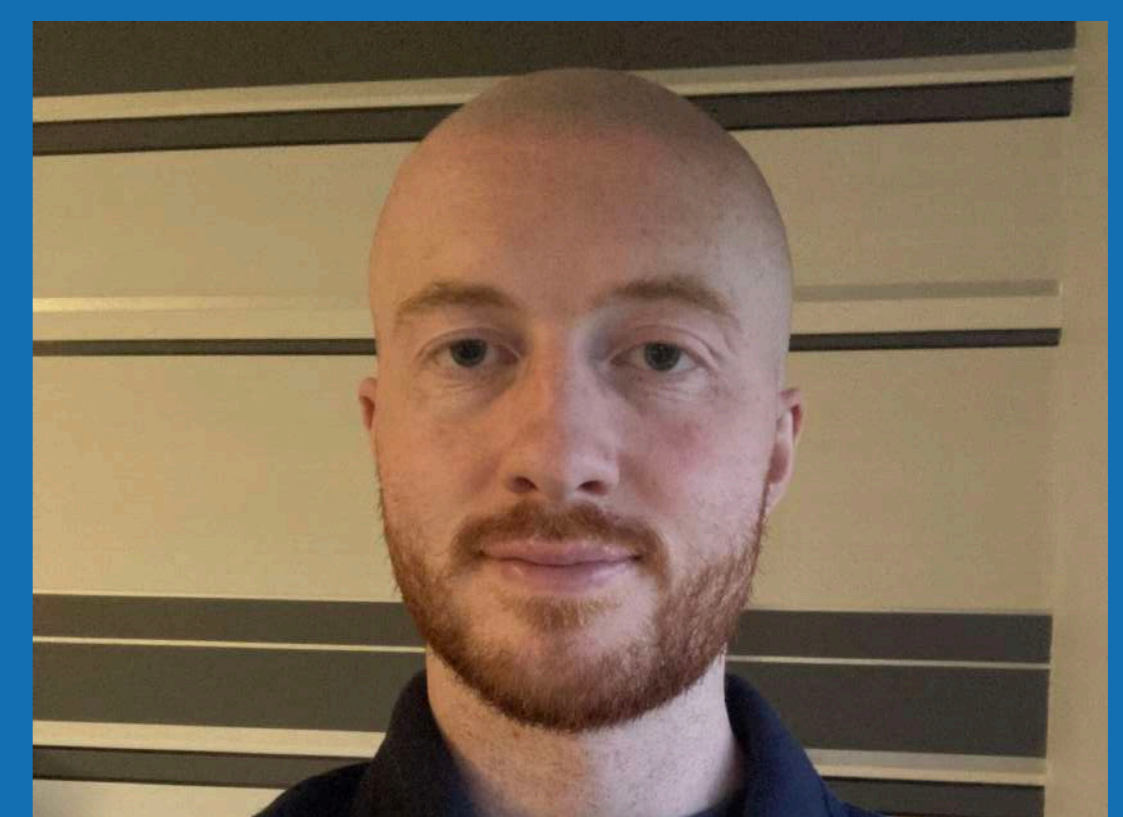
**Caroline McKenzie**  
Customer Manager  
(ESD)



**Gillian Pettigrew**  
Customer Support Officer  
(ESD)



**Martin Mcilvaney**  
Product Owner  
(SW)



**Kieran Johnston**  
Corporate Affairs Officer  
(SW)

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