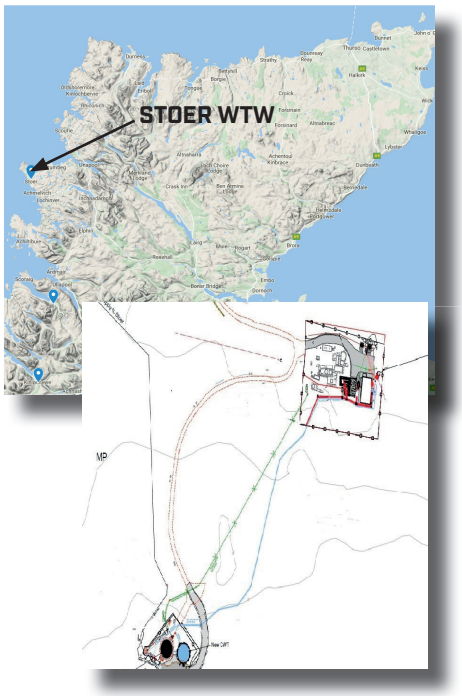
Stoer WTW
Membrane Plant

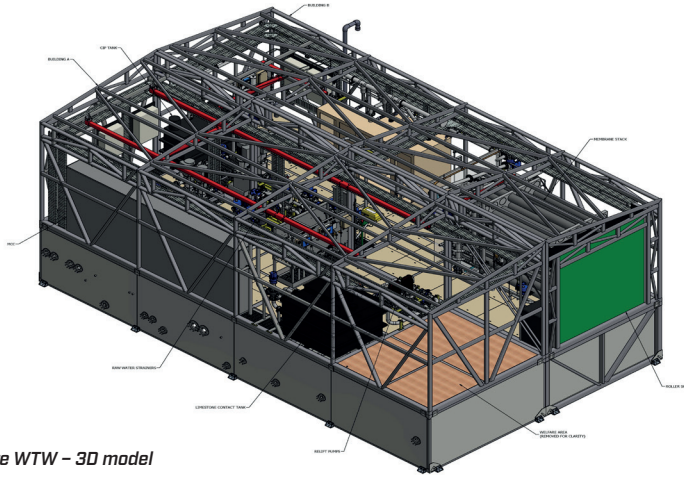


Stoer WTW was identified by Scottish Water as a critical works to be upgraded, to improve Water Quality and maintain a treatment process that removed the risk of cryptosporidium.

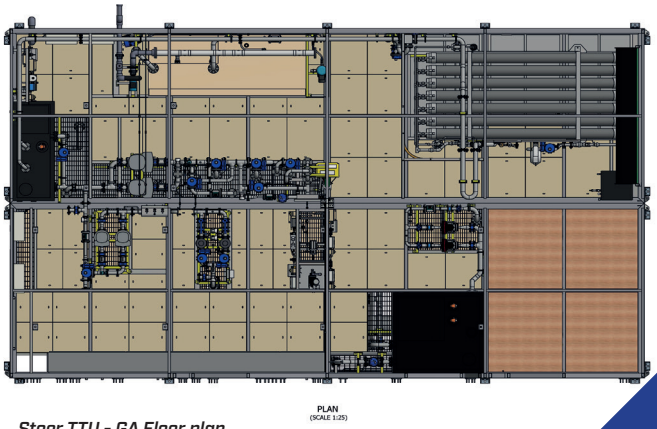
Ross-shire Engineering were engaged to design and build a new nanofiltration membrane WTW with a capacity of 180m^3/day with new transfer pumps, additional clear water tank (80m^3) to give 160m^3 storage, standby generator with fuel storage tank, septic tank, welfare provision and decommissioning of the old WTW.

The works abstracts raw water from a single source, Loch Poll An Droighinn. The water is of a poor quality with high colour content and the existing treatment, could not achieve the water quality standard required.

A Transportable Treatment Unit (TTU) was designed and built in RSE's Muir of Ord facility, then transported by road to site. The exposed location required an integrated design solution with the TTU housing treatment processes, laboratory and welfare facilities.



Store WTW – 3D model



Stoer TTU - GA Floor plan

"Stoer WTW was very well designed and built to a high standard and desperately needed for the community of Stoer. "

NATHEN GEORGE
SW, Operations Team Leader

esd
efficient service delivery

Project Title: *Stoer WTW*
Client: *ESD for SW*
Project Value: *£2.5M*
Award Date: *March 2017*
Project Completed: *January 2018*

RSE
ROSS-SHIRE ENGINEERING