



# PumpAction..... Issue 36

## CASE STUDY.....

### **Kelair's robust range simplifies operations at Southwood**

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The Southwood Huon Integrated Processing Centre project, located in the south of Tasmania near Geeveston, consists of a hardwood sawmill, specialist timber rotary veneer mill, and possible future electricity generation plant.

To treat the on-site sewage, the Kelair-Blivet™ Packaged Sewage Treatment Plant (Model BL1500) was a favoured choice because of its robust design, simple operating principles and reliable treatment results. Forestry Tasmania (a major stakeholder in the Southwood venture) has had a Blivet Model BL4000 successfully treating sewage in the popular neighbouring Tahune Air Walk forestry tourism development for the past five years.

Kelair recommended an inground gravity installation for Southwood, eliminating the need for the proposed macerator/grinder pump station, saving both capital cost and future higher maintenance costs to the customer.

For the on-site process water pumps, a Quad Hydrovar/Lowara Vertical Multistage constant-pressure pumpset was supplied. The major advantage of this system is that the Hydrovars do not require any specialist tools or skilled operators, as settings/faults can be sorted out quickly and conveniently with a simple phone call to a Kelair technician.

The electric hydrant fire pump was the mating unit to a previously-supplied diesel hydrant fire pump set supplied several years prior when the first-stage sawmill was established.

Goulds close-coupled motor pumps were supplied for both the on-site effluent irrigation and stormwater transfer duties, eliminating the possibility of coupling misalignment, while maintaining back pull-out design for ease of maintenance.

All pumpsets were built and tested at Kelair's factory, located at Head Office in Sydney and shipped directly to site, minimising delivery time.

