

Halltech Aquatic Research is pleased to announce a breakthrough in Electrofishing technology with the release of its new boat based electrofishing equipment.



HALLTECH
Aquatic Research Inc.

The NEW Towable Electrofishing Boat (TEB)



This new design shows a remarkable improvement in efficiency and will provide results that far exceed those obtained by more conventional methods, using a much smaller and more efficient generator. The 2,500 watt generator produced superior results to those typical of much larger generator systems.

This improvement in efficiency is obtained by storing energy from the smaller generator during the gap between pulses, when the electrodes are not active, and releasing the stored energy plus the generator output during the following power pulse. The power pulse can be as high as 50,000 watts with voltages up to 1,000 volts and pulse currents up to 80 amps.

Further real improvements in efficiency are obtained by using high frequency 3 and 6 phase alternators on the generator set; which allows the power transformers to be much smaller than the more conventional 60 Hz systems. Although the existing design has manual selection of output voltage (100 volt steps), it is anticipated that an option for continuously variable output voltage will be provided on future models along with a rugged waterproof computer user interface.



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