What is claimed:

1. A tidal turbine system comprising: a turbine adapted for use in an area having tidal ebbs and flows; and a yaw drive for rotating the turbine between a first position associated with tidal flow and a second position associated with tidal ebbs, wherein the yaw drive further comprises a drive motor for rotating the yaw drive and the turbine with respect to the stanchion.

2. The tidal turbine system of claim 1 wherein the yaw drive further comprises: a drive motor for rotating the yaw drive and the turbine with respect to the stanchion, the drive motor including a drive shaft having a pinion gear thereon; and a ring gear 212 attached to one of the turbine or the stanchion, the ring gear 212 sized to engage the pinion of the drive motor.

3. The tidal turbine system of claim 1 further comprising a power line attached to the tidal turbine system, wherein the yaw drive further comprises a slip ring for conducting generated electricity from the tidal generator to the power line.

4. The tidal turbine system of claim 1 wherein the yaw drive further comprises a plurality of drive motors for rotating the yaw drive and the turbine with respect to the stanchion.

5. The tidal turbine system of claim 1 further comprising a seal system for keeping the generator and the drive motor for rotating the yaw drive substantially water tight.

6. The tidal turbine system of claim 1 further comprising a motor driver device communicatively coupled to the drive motor, the motor driver driving the motor to move the generator from a first position directed into one of the ebb and flow associated with the tides, to a second position directed to the other of the ebb and flow associated with the tides during a slack time between the ebb and the flow.

7. The tidal turbine system of claim 6 further comprising a processor for controlling the motor driver communicatively coupled to the drive motor, and a memory communicatively coupled to the processor, the memory including a table of slack times, and directions of the ebb and flow, the processor directing the motor driver between the first position directed into one of the ebb and flow associated with the tides and the second position directed to the other of the ebb and flow associated with the tides.

8. An ocean energy extraction system comprising: a plurality of turbine adapted for use in an area having tidal ebbs and flows; and a turbine moving system for rotating at least some of the plurality of turbines between a first position associated with tidal flow and a second position associated with tidal ebbs away from land, the system includes at least some of the plurality of turbines having a yaw drive tor rotating said turbine between the first position and the second position, wherein the yaw drive further comprises a drive motor for rotating the yaw drive and the turbine with respect to the stanchion.

9. The ocean energy extraction system of claim 8 wherein the turbine moving system includes at least some of the plurality of turbines having a yaw drive for rotating a turbine between the first position and the second position.

10. The ocean energy extraction system of claim 8 wherein the turbine moving system includes a computer in communication with at least some of the plurality of turbines which are under control of the computer to time the rotation of at least some of the plurality of turbines between the first position and the second position.

11. The ocean energy extraction system of claim 10 wherein the turbine moving system includes at least some of the plurality of turbines having a yaw drive for rotating a turbine between the first position and the second position.

12. The ocean energy extraction system of claim 8 further including an energy collection system, the energy produced by at least a plurality of turbines being transmitted from at least a plurality of turbines to the energy collection system.

13. The ocean energy extraction system of claim 12 wherein the turbine moving system includes at least some of the plurality of turbines having a yaw drive for rotating a turbine between the first position and the second position.

14. The ocean energy extraction system of claim 8 wherein the turbine moving system includes at least some of the plurality of turbines have a plurality of yaw drives for rotating a turbine between the first position and the second position.