What is claimed is:

1. A subsea system for producing hydrocarbons comprising: a subsea production member in fluid communication with a wellbore; an element in the production member linearly moveable between at least a first position and a second position; a cylindrical actuation housing having an inner end mounted to and extending from the production member and an open outer end: a stem coupled to the element for linear movement therewith and protruding concentrically into the actuation housing; an electrically powered motor having a motor housing assembly and a rotatable drive member extending therefrom; a motion translator located within the actuation housing, having a rotatable end linked with the rotatable drive member and a linearly moveable opposite end connected with the stem; a fastening assembly connected between the motor housing assembly and the actuation housing to secure the motor housing assembly to the actuation housing with the rotary drive member inserted into the actuation housing, the fastening assembly having cooperative elements on the motor housing and on the actuation housing adjacent the open end of the actuation housing; and wherein releasing the ~~fastener~~ assembly enables the motor housing assembly to be retrieved while the actuation housing remains subsea.

2. The system of claim 1, wherein the fastener assembly comprises an external flange on an end of the motor housing assembly, an external flange on the outer end of the actuation housing, and a clamp that engages the external flanges.

3. The system of claim 1, wherein the fastener assembly comprises a plurality of J-slots formed in the actuation housing and a plurality of mating pins on the motor housing assembly.

4. The system of claim 1, wherein the element is selected from the list consisting of a valve member, a choke, and a piston.

5. The system of claim 1, further comprising a fail safe system comprising: a coil spring mounted within the actuation housing and coupled to the stem to urge the element from the first position toward the second position, wherein the movement toward the second position causes back spinning of the drive member; and a detent in selective anchoring engagement with the drive member to prevent the drive member from back spinning unless electrical power to

What is claimed is:

1. A subsea system for producing hydrocarbons comprising: a subsea production member in fluid communication with a wellbore; an element in the production member linearly moveable between at least a first position and a second position; a cylindrical actuation housing having an inner end mounted to and extending from the production member and an open outer end: a stem coupled to the element for linear movement therewith and protruding concentrically into the actuation housing; an electrically powered motor having a motor housing assembly and a rotatable drive member extending therefrom; a motion translator located within the actuation housing, having a rotatable end linked with the rotatable drive member and a linearly moveable opposite end connected with the stem; a fastening assembly connected between the motor housing assembly and the actuation housing to secure the motor housing assembly to the actuation housing with the rotary drive member inserted into the actuation housing, the fastening assembly having cooperative elements on the motor housing and on the actuation housing adjacent the open end of the actuation housing; and wherein releasing the fastening assembly enables the motor housing assembly to be retrieved while the actuation housing remains subsea.

2. The system of claim 1, wherein the fastener assembly comprises an external flange on an end of the motor housing assembly, an external flange on the outer end of the actuation housing, and a clamp that engages the external flanges.

3. The system of claim 1, wherein the fastener assembly comprises a plurality of J-slots formed in the actuation housing and a plurality of mating pins on the motor housing assembly.

4. The system of claim 1, wherein the element is selected from the list consisting of a valve member, a choke, and a piston.

5. The system of claim 1, further comprising a fail safe system comprising: a coil spring mounted within the actuation housing and coupled to the stem to urge the element from the first position toward the second position, wherein the movement toward the second position causes back spinning of the drive member; and a detent in selective anchoring engagement with the drive member to prevent the drive member from back spinning unless electrical power to