What is claimed is:

1. An offloading system comprising:

a cantilever mounted on a deck, the cantilever is movable in a longitudinal direction of the cantilever between a retracted position and an extended position, the cantilever having an operational end which extends beyond the deck in the extended position;

a transverse platform mounted on the operational end of the cantilever and movable in a transverse direction of the cantilever;

a plurality of transfer hoses having a first end connected to a hydrocarbon fluid storage and having a second end to be connected to a marine vessel for fluid transfer between the hydrocarbon fluid storage and the marine vessel; and

a transfer hose handling system mounted on the transverse platform and operable to manipulate the plurality of transfer hoses to and from the marine vessel,

wherein after connecting the plurality of transfer hoses to the marine vessel, the transverse platform is movable in the transverse direction of the cantilever to adjust a transverse reach of the transverse platform and/or the cantilever is movable in the longitudinal direction of the cantilever to displace an operating envelope of the offloading system.

2. The offloading system of claim 1, further comprising:

a first plurality of rigid pipes disposed on the transverse platform and connected to the plurality of transfer hoses;

a second plurality of rigid pipes disposed on the cantilever;

a first plurality of flexible hoses connecting between the first and the second plurality of rigid pipes;

a third plurality of rigid pipes disposed on the deck; and

a second plurality of flexible hoses connecting the second plurality of rigid pipes to the third plurality of rigid pipes.

3. The offloading system of claim 1, wherein the offloading system is provided on a jack-up platform.

4. The offloading system of claim 1, wherein the offloading system is provided on a moving body.

5. A method for displacing an operating envelope of an offloading system, the method comprising:

positioning a marine vessel at a distance from a jack-up platform having an offloading system which comprises:

a cantilever mounted on a deck of the jack-up platform, the cantilever being movable in a longitudinal direction of the cantilever between a retracted position and an extended position, the cantilever having an operational end which extends beyond the deck in the extended position,

a transverse platform mounted on the operational end of the cantilever and movable along a transverse direction of the cantilever, and a plurality of transfer hoses, each having a first end connected to a hydrocarbon fluid storage and each having a second end to be connected to the marine vessel for fluid transfer between the hydrocarbon fluid storage and the marine vessel;

a transfer hose handling system mounted on the transverse platform and operable to manipulate the plurality of transfer hoses to and from the marine vessel;

extending the operational end of the cantilever in the longitudinal direction towards the marine vessel;

connecting the plurality of transfer hoses to the marine vessel; and

displacing an operating envelope of the offloading system by moving the transverse platform in the transverse direction to adjust a transverse reach of the transverse platform and/or by moving the cantilever in the longitudinal direction to adjust a longitudinal reach of the cantilever.

6. The method of claim 5, wherein the offloading system further comprises:

a first plurality of rigid pipes disposed on the transverse platform and connected to the plurality of transfer hoses;

a second plurality of rigid pipes disposed on the cantilever;

a first plurality of flexible hoses connecting between the first and the second plurality of rigid pipes;

a third plurality of rigid pipes disposed on the deck; and

a second plurality of flexible hoses connecting the second plurality of rigid pipes to the third plurality of rigid pipes.

7. The method of claim 5, further comprising:

returning the marine vessel to a pre-drifted position; and

returning the displaced operating envelope of the offloading system to the pre-drifted position by moving the transverse platform in the transverse direction to adjust a transverse reach of the transverse platform and/or by moving the cantilever in the longitudinal direction to adjust a longitudinal reach of the cantilever.