CLAIMS

1. A tubular handling system for conducting subterranean operations comprising:

a first tubular handling system comprising:

a bridge disposed within a horizontal tubular storage area with one end of the bridge coupled to a first guide rail and an opposite end of the bridge coupled to a second guide rail, with the first and second guide rails being positioned above the horizontal tubular storage area;

an arm pivotally coupled to the bridge; and

a gripper coupled to the arm and adapted to engage with a tubular in the horizontal tubular storage area; and

a second tubular handling system comprising:

a support structure;

a first tubular handler coupled to the support structure; and

a second tubular handler coupled to the support structure and distinct from the first tubular handling system.

2. The tubular handling system of claim 1, wherein the support structure of the second tubular handling system comprises a vertically oriented structure.

3. The tubular handling system of any one of the preceding claims, wherein the support structure is rotatable about a rotational axis.

4. The tubular handling system of any one of the preceding claims, wherein at least one of the first and second tubular handlers is vertically adjustable with respect to the support structure.

5. The tubular handling system of any one of the preceding claims, wherein the first tubular handler comprises at least three different pivot points.

6. The tubular handling system of any one of the preceding claims, wherein the second tubular handler comprises at least three different pivot points.

7. The tubular handling system of any one of the preceding claims, wherein the first and second tubular handlers are independently moveable with respect to one another.

8. The tubular handling system of any one of the preceding claims, wherein the first tubular handling system is disposed at a vertical elevation above the horizontal tubular storage area.

9. The tubular handling system of any one of the preceding claims, wherein the gripper of the first tubular handling system and the first tubular handler of the second tubular handling system are adapted to both engage the tubular at a same time.

10. A method of conducting subterranean operations comprising:

engaging a first tubular disposed in a horizontal tubular storage area with a gripper of a first tubular handling system;

moving a bridge of the first tubular handling system along first and second guide rails, with the first and second guide rails being positioned at opposite ends of the bridge and above the horizontal tubular storage area;

repositioning the first tubular to a tubular delivery area;

engaging the first tubular with a gripper of a second tubular handling system;

repositioning the first tubular to a wellbore area; and at least one of the following processes:

a) translating the bridge of the first tubular handling system along the first and second guide rails from a first bridge position to a second bridge position spaced apart from the first bridge position;

b) moving the first tubular from a first position to a second position, wherein moving the first tubular includes moving at least a portion of the first tubular through the bridge between a first portion and a second portion of the bridge;

c) moving the first tubular from a first horizontal position associated with the horizontal tubular storage area through a vertical position and to a second horizontal position associated with the tubular delivery area;

d) translating an arm of the first tubular handling system along at least a portion of a length of the bridge while rotating the first tubular from a first horizontal position, through a vertical position, to a second horizontal position;

e) simultaneously gripping the first tubular with the gripper of the first tubular handling system and the gripper of the second tubular handling system in the tubular delivery area;

f) vertically raising the first tubular along a support structure of the second tubular handling system while rotating the first tubular from a horizontal position to a vertical position; or

g) any combination thereof.

11. The method of claim 10, further comprising translating the bridge of the first tubular handling system over the horizontal tubular storage area to a location containing the first tubular prior to engaging the first tubular.

12. A method of conducting subterranean operations, the method comprising:

lowering a top drive system until it engages a tubular;

raising the top drive system, while extending an iron roughneck around a portion of the tubular;

decoupling the tubular;

retrieving the tubular from the top drive system with an arm of a vertical tubular handling system;

extending an arm of a horizontal tubular handling system into a horizontal transfer position while retrieving the tubular from the top drive system;

transferring the tubular from the arm of the vertical tubular handling system to the arm of the horizontal tubular handling system; and

moving the arm along a horizontal bridge within a horizontal storage area.

13. The method of claim 12, further comprising:

moving the tubular from a first horizontal position associated with a pick-up position through a vertical position and to a second horizontal position associated with a delivered position.

14. The method of claim 13, further comprising:

moving the tubular from a first position to a second position, wherein moving includes moving at least a portion of the tubular between a first portion and a second portion of the horizontal bridge.

15. The method of claim 14, further comprising:

translating the horizontal bridge of the horizontal tubular handling system from the horizontal transfer position to a first bridge position over a horizontal storage area.