CLAIMS

What is claimed is:

1. A campus for fabricating at least one pharmaceutical product, the campus comprising:

a customizable facility configured to manufacture the at least one pharmaceutical product;

a media/buffer plant configured to supply the customizable facility with at least one processing material;

a utility building connected by a utility line to at least one of the media/buffer plant and the customizable facility to provide at least one first utility via the utility line.

2. The campus of claim 1, further comprising a warehouse positioned adjacent the customizable facility.

3. The campus of claim any of the preceding claims, wherein the at least one first utility includes at least one of: steam and an air supply.

4. The campus of claim any of the preceding claims, wherein the customizable facility includes

at least one central unit, and

at least one modular unit in communication with the at least one central unit such that the at least one central unit provides at least one second utility to the at least one modular unit.

5. The campus of claim 4, wherein the customizable facility further includes a shell, and wherein the at least one central unit is positioned at least partially within the shell and the at least one modular unit is positioned at least partially within the shell.

6. The campus of claim 4 or claim 5, wherein the at least one modular unit includes at least one of a fermentation unit, a pre-viral unit, a post-viral unit, a utility space, a warehouse,

a media buffer facility, an office, a personnel unit, a production unit, a fill-finish unit, a dosage formulation unit, and a packaging unit.

7. The campus of any of claims 4-6, wherein a first utility of the at least one first utility is the same as a second utility of the at least one second utility.

8. The campus of any of claims 4-6, wherein a first utility of the at least one first utility is different from a second utility of the at least one second utility.

9. The campus of claim 5, wherein the at least one modular unit includes a plurality of modular units arranged to maximize a number of modular units within the shell while minimizing a footprint of the shell.

10. The campus of any of the preceding claims, wherein the media/buffer plant is positioned adjacent the customizable facility, and wherein the utility building is positioned adjacent the customizable facility.

11. The campus of claim 5, wherein an outer wall of the customizable facility is one of

formed by the shell, the shell entirely enclosing the at least one central unit and the at least one modular unit, and

formed by the shell and at least one of an outer wall of the at least one central unit and an outer wall of the at least one modular unit.

12. The campus of claim 5, wherein the shell includes at least one side wall, the at least one side wall encircling the at least one central unit and the at least one modular unit, and a roof secured to an upper edge of the at least one side wall, the roof extending over the at least one central unit and the at least one modular unit.

13. The campus of any of the preceding claims, wherein a first floor of the customizable facility includes a utilities area.

14. The campus of any of the preceding claims, wherein the at least one pharmaceutical product is a plurality of pharmaceutical products, and wherein the customizable facility includes a plurality of manufacturing wings, each manufacturing wing being configured to manufacture a respective pharmaceutical product of the plurality of pharmaceutical products.

15. The campus of any of the preceding claims, further comprising a plurality of customizable facilities.

16. The campus of any of the preceding claims, further comprising at least one corridor connecting the media/buffer plant to the customizable facility, the at least one corridor being configured to allow a user to transport the at least one processing material from the media/buffer plant to the customizable facility.

17. A method of assembling a campus for manufacturing at least one pharmaceutical product, the method comprising:

providing at least one customizable facility configured to manufacture the at least one pharmaceutical product;

providing a media/buffer plant such that the media/buffer plant is configured to supply the customizable facility with a processing material; and

operatively coupling a utility building to at least one of the media/buffer plant and the customizable facility to provide at least one first utility to the media/buffer plant via a utility line.

18. The method of claim 17, further comprising providing a warehouse adjacent the customizable facility.

19. The method of claim 17 or claim 18, wherein the at least one first utility includes at least one of: steam and an air supply.

20. The method of any of claims 17-19, further comprising

providing at least one central unit, and

providing at least one modular unit in communication with the at least one central unit such that the at least one central unit provides at least one second utility to the at least one modular unit.

21. The method of claim 20, wherein providing a customizable facility includes

providing a shell,

positioning the at least one central unit at least partially within the shell, and

positioning the at least one modular unit at least partially within the shell.

22. The method of claim 20 or claim 21, wherein the at least one modular unit includes at least one of a fermentation unit, a pre-viral unit, a post-viral unit, a utility space, a warehouse, a media buffer facility, an office, a personnel unit, a production unit, a fill-finish unit, a dosage formulation unit, and a packaging unit.

23. The method of any of claims 20-22, wherein a first utility of the at least one first utility is the same as a second utility of the at least one second utility.

24. The method of any of claims 20-22, wherein a first utility of the at least one first utility is different from a second utility of the at least one second utility.

25. The method of claim 21, wherein providing the at least one modular unit includes providing a plurality of modular units arranged to maximize a number of modular units within the shell while minimizing a footprint of the shell.

26. The campus of any of claims 17-25, further comprising positioning the media/buffer plant adjacent the customizable facility, and positioning the utility building adjacent the customizable facility.

27. The method of claim 21, wherein an outer wall of the customizable facility is one of

formed by the shell, the shell entirely enclosing the at least one central unit and the at least one modular unit, and

formed by the shell and at least one of an outer wall of the at least one central unit and an outer wall of the at least one modular unit.

28. The method of claim 21, wherein the shell includes at least one side wall, the at least one side wall encircling the at least one central unit and the at least one modular unit, and a roof secured to an upper edge of the at least one side wall, the roof extending over the at least one central unit and the at least one modular unit.

29. A method of managing a pharmaceutical facility, the method comprising:

providing a campus for fabricating at least one pharmaceutical product, the campus including at least one customizable facility configured to manufacture the at least one pharmaceutical product, a media/buffer plant, and a utility building connected by a utility line to at least one of the media/buffer plant and the at least one customizable facility to provide at least one first utility via the utility line; and

offering at least a portion of the campus to a customer desiring to manufacture a pharmaceutical product.

30. The method of claim 29, wherein the at least the portion of the campus includes a manufacturing wing in the at least one customizable facility.

31. The method of claim 29 or claim 30, wherein the step of offering at least the portion of the campus includes offering an option to buy the at least the portion of the campus.

32. The method of claim 29 or claim 30, wherein the step of offering at least the portion of the campus includes offering an option to lease the at least the portion of the campus.

33. A method of adjusting a capacity of a pharmaceutical facility, the method comprising:

providing a campus for fabricating at least one pharmaceutical product, the campus including at least one customizable facility configured to manufacture the at least one pharmaceutical product, a media/buffer plant, and a utility building connected by a utility line to the media/buffer plant to provide at least one first utility via the utility line;

offering a first portion of the campus to a first customer desiring to manufacture a first pharmaceutical product; and

constructing a second portion of the campus for manufacturing a second pharmaceutical product, the second portion of the campus being technology agnostic.

34. The method of claim 33, wherein the second pharmaceutical product is one of: different from the first pharmaceutical product and identical to the first pharmaceutical product.

35. The method of claim 33 or claim 34, wherein the first portion of the campus is a manufacturing module within the customizable facility.

36. The method of any of claims 33-35, further comprising offering the second portion of the campus to a second customer; and

constructing a third portion of the campus for manufacturing a third pharmaceutical product, the third portion being technology agnostic.

37. The method of claim 36, wherein the first portion is accessible only via a first dedicated access route that is accessible by the first customer, but that is not accessible by the second customer; and

wherein the second portion is accessible only via a second dedicated access route that is accessible by the second customer, but that is not accessible by the first customer.

38. The method of any of claims 33-37, further comprising continually maintaining a technology agnostic portion of the campus in a ready state for a new customer to begin manufacturing a pharmaceutical.

CLAIMS

1. A method of reducing a time-to-market of a pharmaceutical product, the method comprising:

providing a campus for fabricating at least a first and a second pharmaceutical product, the campus including a plurality of customizable facilities configured to manufacture the at least first and second pharmaceutical products, a media/buffer plant separate from the plurality of customizable facilities, and a utility building separate from the media/buffer plant and the plurality of customizable facilities, the utility building being connected by at least one utility line to the media/buffer plant and the plurality of customizable facilities to provide at least one first utility via the at least one utility line, each customizable facility including:

at least one central unit positioned on a floor of the customizable facility; and

a plurality of modular units in communication with the at least one central unit such that the at least one central unit is configured to provide shared utilities to each modular unit, at least one modular unit of the plurality of modular units including a clean room, the at least one modular unit being configured for pharmaceutical product manufacturing, the at least one modular unit being one of: a fermentation unit, a pre-viral unit, and a post-viral unit; and

wherein the plurality of customizable facilities includes a first customizable facility configured to manufacture the first pharmaceutical product and a second customizable facility configured to manufacture the second pharmaceutical product different from the first pharmaceutical product, and

wherein the availability of the second customizable facility configured to manufacture the second pharmaceutical product allows a manufacturer of the second pharmaceutical to reduce time-to-market of the second pharmaceutical product by at least 12 months.

2. The method of claim 1, wherein the at least one central unit provides at least one second utility to the plurality of modular units.

3. The method of claim 1, further comprising providing a warehouse adjacent one of the customizable facilities.

4. The method of claim 1, wherein the at least one first utility includes at least one of: steam and an air supply.

5. The method of claim 1, wherein providing a plurality of customizable facilities includes providing a customizable facility by providing a shell, positioning the at least one central unit at least partially within the shell, and positioning at least one of the plurality of modular units at least partially within the shell.

6. The method of claim 1, wherein the plurality of modular units includes at least one of a fermentation unit, a pre-viral unit, a post-viral unit, a utility space, a warehouse, a media buffer facility, an office, a personnel unit, a production unit, a fill-finish unit, a dosage formulation unit, and a packaging unit.

7. The method of claim 2, wherein a first utility of the at least one first utility is the same as a second utility of the at least one second utility.

8. The method of claim 2, wherein a first utility of the at least one first utility is different from a second utility of the at least one second utility.

9. The method of claim 5, wherein providing the plurality of modular units includes providing a plurality of modular units arranged to maximize a number of modular units within the shell while minimizing a footprint of the shell.

10. The method of claim 1, further comprising positioning the media/buffer plant adjacent one of the customizable facilities, and positioning the utility building adjacent one of the customizable facilities.

11. The method of claim 5, wherein an outer wall of the customizable facility is one of formed by the shell, the shell entirely enclosing the at least one central unit and at least one modular unit of the plurality of modular units, and formed by the shell and at least one of an outer wall of the at least one central unit and an outer wall of the at least one modular unit.

12. The method of claim 5, wherein the shell includes at least one side wall, the at least one side wall encircling the at least one central unit and the plurality of modular units, and a roof secured to an upper edge of the at least one side wall, the roof extending over the at least one central unit and the plurality of modular units