WHAT IS CLAIMED IS:

1. A method for using a part supply system to load and supply parts required for processes in producing a mobility, the method comprising:

creating, by a processor, a part supply schedule in which the parts required for the processes in producing the mobility for each of a plurality of time zones are scheduled;

creating, by the processor, a part loading schedule in which the parts to be loaded on each work bench to which the parts are supplied according to the part supply schedule for each time zone are scheduled;

verifying, by the processor, whether the part loading schedule satisfies the part supply schedule through a digital twin; and

confirming or modifying, by the processor, the part loading schedule based on the verification through the digital twin, wherein creating the part loading schedule comprises scheduling a work allocation of the parts to be loaded on each work bench to which the parts are supplied according to the part supply schedule for each time zone and sequencing between works in consideration of an idle time and a blocked time of each work bench.

2. The method of claim 1, further comprising moving the parts from one storage location to another storage location based on the confirmed or modified part loading schedule.

3. The method of claim 1 or 2, further comprising producing the mobility using the parts.

4. The method of any one of claims 1 to 3, wherein verifying comprises verifying whether the part supply schedule satisfies a quantity of parts transported being equal to or larger than a target quantity of parts transported in the part supply schedule, the method further comprising, in response to a verification that the quantity of parts transported is smaller than the target quantity of parts transported, modifying a part storing schedule that determines a location of each part and a number of the parts to be stored in an automated storage, and then re-verifying.

5. The method of claim 4, further comprising, in response to a verification that the quantity of parts transported is smaller than the target quantity of parts transported, modifying the part loading schedule comprising a transport path along which the part whose work is completed on each work bench is transported, and then re-verifying.

6. The method of any one of claims 1 to 5, wherein creating the part supply schedule comprises scheduling a part setbox on which a plurality of the parts required in each process for each time zone are loaded, a part setbox rack on which the part setbox is loaded, and a rank pallet in which a part not loaded on the part setbox is contained.

7. The method of claim 6, wherein creating the part loading schedule comprises scheduling the parts to be loaded on each work bench for each time zone so that total working times required to load the part setbox on the part setbox rack satisfy a minimum working time.

8. The method of any one of claims 1 to 7, wherein creating the part loading schedule comprises scheduling the parts to be loaded on each work bench for each time zone to minimize an operation rate deviation between the respective work benches.

9. A method for operating by a processor a part supply system to load and supply parts required for processes in producing a mobility, the method comprising:

creating a part supply schedule in which the parts required for the processes in producing the mobility for each of a plurality of time zones are scheduled;

creating a part loading schedule in which the parts to be loaded on each work bench to which the parts are supplied according to the part supply schedule for each time zone are scheduled;

creating a part storing schedule that determines a location of each part and a number of the parts to be stored in an automated storage that stores the parts to be loaded on each work

bench;

verifying whether the part loading schedule satisfies the part supply schedule through a digital twin; and

confirming or modifying the part loading schedule based on the verification through the digital twin, wherein creating the part loading schedule comprises scheduling a work allocation of the parts to be loaded on each work bench to which the parts are supplied according to the part supply schedule for each time zone and sequencing between works in consideration of an idle time and a blocked time of each work bench.

10. The method of claim 9, wherein creating the part storing schedule is performed in consideration of a release frequency of each part every certain period and the part loading schedule of each part.

11. The method of claim 9 or 10, wherein creating the part storing schedule comprises:

providing a plurality of the automated storages; and

setting a volume of the parts stored in each automated storage differently; and

wherein creating the part storing schedule is performed in consideration of a release frequency of the parts stored in each automated storage every certain period and the part loading schedule of the parts stored in each automated storage.

12. The method of claim 11, wherein:

each work bench comprises a part setbox work bench to load the part corresponding to each automated storage on the part setbox; and

creating the part loading schedule comprises scheduling the parts to be loaded on each work bench for each time zone so that total working times required to load the part setbox on which the part corresponding to each automated storage is loaded on a part setbox rack satisfy a minimum working time.

13. The method of any one of claims 9 to 12, wherein the automated storage further comprises a buffer storage configured to store a part within a preset volume range among the parts whose works are completed on the respective work benches.

14. The method of claim 13, wherein creating the part loading schedule comprises scheduling a work allocation of the parts and sequencing between works in consideration of an idle time and a blocked time of each work bench to which the parts outside the volume range are supplied.

15. A server comprising:

a processor;

a non-transitory, computer-readable recording medium coupled to the processor and storing a program for operating a part supply system for loading and supplying parts required for processes in producing a mobility, wherein the program includes computer code that, when executed by the processor, causes the processor to:

create a part supply schedule in which the parts required for the processes in producing the mobility for each of a plurality of time zones are scheduled;

create a part loading schedule in which the parts to be loaded on each work bench to which the parts are supplied according to the part supply schedule for each time zone are scheduled;

verify whether the part loading schedule satisfies the part supply schedule through a digital twin; and

confirm or modify the part loading schedule based on the verification through the digital twin, wherein the part loading schedule is generated by scheduling a work allocation of the parts to be loaded on each work bench to which the parts are supplied according to the part

supply schedule for each time zone and sequencing between works in consideration of an idle time and a blocked time of each work bench.

16. The server of claim 15, wherein the computer code further causes the processor to verify whether the part supply schedule satisfies a quantity of parts transported being equal to or larger than a target quantity of parts transported in the part supply schedule.

17. The server of claim 16, wherein in response to a verification that the quantity of parts transported is smaller than the target quantity of parts transported, the computer code further causes the processor to:

modify a part storing schedule that includes a location of each part and a number of the parts to be stored in an automated storage configured to store the parts; and

verify the modified part storing schedule.

18. The server of claim 16 or 17, wherein in response to a verification that the quantity of parts transported is smaller than the target quantity of parts transported, the computer code further causes the processor to:

modify a part loading schedule comprising a transport path along which the part whose work is completed on each work bench is transported; and

verify the modified part loading schedule.