CLAIMS

1. A method for controlling machine equipment, comprising:

determining a first communication mode supported by the machine equipment;

determining, of at least one candidate interface preset for communicating with the machine equipment, a first target interface corresponding to the first communication mode; and

sending a target program to the machine equipment by calling the first target interface.

2. The method of claim 1, wherein determining the first communication mode supported by the machine equipment comprises:

in response to scanning the machine equipment, receiving, through a preset application, equipment information sent by the machine equipment;

sending the equipment information to a client using the preset application through a preset second target interface, the second target interface being a communication interface set between the preset application and the client; and

determining the first communication mode supported by the machine equipment using the client according to the equipment information.

3. The method of claim 2, wherein the second target interface supports a second communication mode.

4. The method of claim 2 or 3, wherein determining, of the at least one candidate interface preset for communicating with the machine equipment, the first target interface corresponding

to the first communication mode comprises:

requesting, using the preset application, to establish a target communication channel corresponding to the first communication mode between the preset application and the machine equipment; and

determining, of the at least one candidate interface preset for communicating with the machine equipment, the first target interface corresponding to the target communication channel.

5. The method of claim 4, wherein determining, of the at least one candidate interface preset for communicating with the machine equipment, the first target interface corresponding to the target communication channel comprises:

of the at least one candidate interface preset for communicating with the machine equipment, determining, as the first target interface using the preset application, an interface that corresponds to the target communication channel and that is configured to send information to the machine equipment.

6. The method of claim 4, further comprising: after sending the target program to the machine equipment by calling the first target interface,

of the at least one candidate interface preset for communicating with the machine equipment, determining, as a third target interface using the preset application, an interface that corresponds to the target communication channel and that is configured to monitor information sent by the machine equipment;

monitoring, using the preset application through the third target interface, at least one of execution result information of executing the target program by the machine equipment or equipment status information of the machine equipment; and

sending, to the client using the preset application through the second target interface,

at least one of the execution result information or the equipment status information.

7. The method of claim 6, further comprising: after sending, to the client using the preset application through the second target interface, at least one of the execution result information or the equipment status information,

displaying, using the client, at least one of the execution result information or the equipment status information.

8. A method for controlling machine equipment, comprising:

receiving a target program sent by a terminal through a first target interface, the first target interface being an interface of at least one candidate interface preset for communicating with the machine equipment determined by the terminal according to a first communication mode supported by the machine equipment; and

executing the target program.

9. The method of claim 8, further comprising:

acquiring execution result information of executing the target program;

determining equipment status information of the machine equipment; and

sending at least one of the execution result information or the equipment status information to the terminal.

10. The method of claim 8 or 9, further comprising: after receiving the target program sent by the terminal through the first target interface,

storing the target program in a pre-designated directory on the machine equipment,

executing the target program comprising:

executing the target program in the pre-designated directory.

11. A device for controlling machine equipment, comprising:

a first determining module configured to determine a first communication mode supported by the machine equipment;

a second determining module configured to determine, of at least one candidate interface preset for communicating with the machine equipment, a first target interface corresponding to the first communication mode; and

a first sending module configured to send a target program to the machine equipment by calling the first target interface.

12. The device of claim 11, wherein the first determining module comprises:

a receiving sub-module configured to, in response to scanning the machine equipment, receive, through a preset application, equipment information sent by the machine equipment;

a sending sub-module configured to send the equipment information to a client using the preset application through a preset second target interface, the second target interface being a communication interface set between the preset application and the client; and

a determining sub-module configured to determine the first communication mode supported by the machine equipment using the client according to the equipment information.

13. The device of claim 12, wherein the second target interface supports a second communication mode.

14. The device of claim 12 or 13, wherein the determining sub-module comprises:

a first determining unit configured to request, using the preset application, to establish a target communication channel corresponding to the first communication mode between the preset application and the machine equipment; and

a second determining unit configured to determine, of the at least one candidate interface preset for communicating with the machine equipment, the first target interface corresponding to the target communication channel.

~~15. The device of claim 14, wherein the second determining unit comprises:~~

~~a determining sub-unit is configured to, of the at least one candidate interface preset for communicating with the machine equipment, determine, as the first target interface using the preset application, an interface that corresponds to the target communication channel and that is configured to send information to the machine equipment.~~

~~16. The device of claim 14, further comprising:~~

~~a third determining module configured to, of the at least one candidate interface preset for communicating with the machine equipment, determine, as a third target interface using the preset application, an interface that corresponds to the target communication channel and that is configured to monitor information sent by the machine equipment;~~

~~a monitoring module configured to monitor, using the preset application through the third target interface, at least one of execution result information of executing the target program by the machine equipment or equipment status information of the machine equipment; and~~

~~a second sending module configured to send, to the client using the preset application through the second target interface, at least one of the execution result information or the~~

~~equipment status information.~~

~~17. The device of claim 16, further comprising:~~

~~a display module configured to display, using the client, at least one of the execution result information or the equipment status information.~~

15~~18~~. A device for controlling machine equipment, comprising:

a receiving module configured to receive a target program sent by a terminal through a first target interface, the first target interface being an interface of at least one candidate interface preset for communicating with the machine equipment determined by the terminal according to a first communication mode supported by the machine equipment; and

an executing module configured to execute the target program.

16~~19~~. The device of claim 15~~18~~, further comprising:

an acquiring module configured to acquire execution result information of executing the target program;

a fourth determining module configured to determine equipment status information of the machine equipment; and

a third sending module configured to send at least one of the execution result information or the equipment status information to the terminal.

17~~20~~. The device of claim 15~~18~~ or 16~~19~~, further comprising:

a storing module configured to store the target program in a pre-designated directory

on the machine equipment,

the executing module comprising:

an executing sub-module configured to execute the target program in the pre-designated directory.

18~~21~~. A computer-readable storage medium, having stored thereon a computer program for implementing the method of any one of claims 1 to 7, or the method of any one of claims 8 to 10.

19~~22~~. A device for controlling machine equipment, comprising:

a processor; and

a memory for storing executable instructions executable by the processor,

wherein the processor is configured to call the executable instructions stored in the memory to implement the method of any one of claims 1 to 7, or the method of any one of claims 8 to 10.

20~~23~~. A computer program product, comprising a computer-readable code which, when running on equipment, allow a processor in the equipment to implement the method of any one of claims 1 to 7, or the method of any one of claims 8 to 10.