LIFTIANS AGV API

BASE URL:http://<server>:8082/v2/public/api

Handler: AppId:100

Token:230bc568-4550-453b-a9b4-e4323c19b84b

REQUEST DEMO

```
{
    "data": {Request Data},

    "messageType": {Command},

    "msgId": {uuid}
}
```

RESULT DEMO

```
{
```

```
    "msgId": "b0bcbd2b-7231-4cd1-97ab-c551972d3d62",

    "result": "1",

    "data":{Result Data},

    "messageType": "ADD_STATION_TASK "

}
```

msgId:

MessageId is created by uuid, used to track input and output, to prevent repeated push of the same message, it **can be empty, if it is empty, the system will auto create.**

messageType:

Important identifier of api, used to distinguish different api.

Data：

Message content of the request and return.   TYPE:OBJECT

Result：

It is only the result of the message request, not the business logic. The result of the business logic is generally in the data field.

Value: 1:SUCCESS,   other:errror

1 API

1.1 BRING RACK TO/FROM STATION

1.1.1.1 API DESCRIPTION

Desc	Request to bring a rack to/from a station
Api	ADD_STATION_TASK
Method	POST

1.1.1.2 REQUEST DESCRIPTION

Parameter	Null	Type	Desc
requestId	Yes	String	UniqueId, UUID is recommended
rackId	No	Int	rackId
stationId	No	Int	stationId
operation	No	Int	1:to station 2:return from station
rackSide	No	Int	rackSide (0/1/2/3)

1.1.1.3 REQUEST EXAMPLE

```
{

    "data": {

        "requestId": "48c22d5565d14dfba624",

        "rackId": 1,

        "stationId": 101,

        "operation": 0,

        "rackSide": 0

    },

    "messageType": "ADD_STATION_TASK",

    "msgId": "b0bcbd2b-7231-4cd1-97ab-c551972d3d62"

}
```

1.1.1.4 RESULT DESCRIPTION

Parameter	Type	Desc
requestId	String	UniqueId, UUID is recommended

taskData	Object	Requested message object
taskStatus	String	ACCEPTED/ DUPLICATE_ADDED/ RACK_ID_ERROR/ STATION_ID_ERROR/ RACK_NOT_IN_STATION

1.1.1.5 RESULT EXAMPLE

```
{
    "msgId": "b0bcbd2b-7231-4cd1-97ab-c551972d3d62",
    "result": "1",
    "data": {
        "requestId": "48c22d5565d14dfba624",
        "taskData": {
            "requestId": "48c22d5565d14dfba624",
            "rackId": 1,
            "rackSide": 0,
            "stationId": 101,
            "operation": 0
        },
        "taskStatus": "ACCEPTED",
        "receiveTime": 1607337285604
    },
    "messageType": " ADD_STATION_TASK "
}
```

1.2 CHECK STATION'S CURRENT TASK

1.2.1.1 API DESCRIPTION

Desc	Get the current task of station(s)
Api	GET_CURRENT_STATION_TASK
Method	POST

1.2.1.2 REQUEST DESCRIPTION

Parameter	Null	Type	Desc
stationId	Yes	array	Ex. [101,102] If [], it returns all stations' current task

1.2.1.3 REQUEST EXAMPLE

```
{

    "data":{

        stationId:[101,102]

    },

    "messageType": "GET_CURRENT_STATION_TASK",

    "msgId": "b0bcbd2b-7231-4cd1-97ab-c551972d3d62"

}
```

1.2.1.4 RESULT DESCRIPTION

Parameter	Type	Desc
requestId	String	Task's uniqueId
taskStatus	String	COMPLETED

1.2.1.5 RESULT EXAMPLE

```
{

    "msgId": "b0bcbd2b-7231-4cd1-97ab-c551972d3d62",

    "result": "1",

    "data": [{

        "requestId": "48c22d5565d14dfba624",

        "rackId": 1,

        "rackSide": 0,

        "stationId": 101,

        "botId": 10,

        "taskStatus": "COMPLETED",
```

```
        "taskStatusDesc": null,

        "receiveTime": null,

        "updateTime": null

    },

    {

        "requestId": null,

        "rackId": -1,

        "rackSide": -1,

        "stationId": 102,

        "botId": -1,

        "taskStatus": null,

        "taskStatusDesc": null,

        "receiveTime": null,

        "updateTime": null

    }],

    "messageType": "GET_CURRENT_STATION_TASK"

}
```

1.3 GET TASK STATUS

1.3.1.1 API DESCRIPTION

Desc	Check the status of ADD_STATION_TASK request
Api	GET_TASK_STATUS
Method	POST

1.3.1.2 REQUEST DESCRIPTION

Parameter	Null	Type	Desc
requestId	Yes	Sting	Task's uniqueId

1.3.1.3 REQUEST EXAMPLE

```
{

    "data":{
```

```
            requestId:"48c22d5565d14dfba624"

    },

    "messageType": "GET_TASK_STATUS",

    "msgId": "b0bcbd2b-7231-4cd1-97ab-c551972d3d62"

}
```

1.3.1.4 RESULT DESCRIPTION

Parameter	Type	Desc
requestId	String	Task's uniqueId
taskStatus	String	ACCEPTED/ ASSIGNED/ COMPLETED/ BOT_ERROR

1.3.1.5 RESULT EXAMPLE

```
{
    "msgId": "b0bcbd2b-7231-4cd1-97ab-c551972d3d62",

    "result": "1",

    "data":

        {
            "requestId": "48c22d5565d14dfba624",

            "rackId": 1,

            "rackSide": 0,

            "stationId": 101,

            "botId": 10,

            "taskStatus": "ASSIGNED",

            "taskStatusDesc": null,

            "receiveTime": null,

            "updateTime": null

        },
```

```
    "messageType": "GET_TASK_STATUS"
}
```

1.4 EXECUTE NEXT STATION TASK（Optional）

1.4.1.1 API DESCRIPTION

Desc	Notify system explicitly that the operator has completed the current task of a given station and ask system to start executing next task request
Api	EXECUTE_NEXT_STATION_TASK
Method	POST

1.4.1.2 REQUEST DESCRIPTION

Parameter	Null	Type	Desc
stationId	Yes	Int	stationId

1.4.1.3 REQUEST EXAMPLE

```
{
    "data": {
        stationId:101
    },
    "messageType": "EXECUTE_NEXT_STATION_TASK",
    "msgId": "b0bcbd2b-7231-4cd1-97ab-c551972d3d62"
}
```

1.4.1.4 RESULT DESCRIPTION

Parameter	Type	Desc
taskStatus	String	COMPLETE

1.4.1.5 RESULT EXAMPLE

```
{
    "msgId": "b0bcbd2b-7231-4cd1-97ab-c551972d3d62",
    "result": "1",
```

```json
    "data": {
        "requestId": "48c22d5565d14dfba625",
        "rackId": 1,
        "rackSide": 1,
        "stationId": 101,
        "botId": 10,
        "taskStatus": "",
        "taskStatusDesc": null,
        "receiveTime": null,
        "updateTime": null
    },
    "messageType": "EXECUTE_NEXT_STATION_TASK"
}
```