Solutions for transportation hubs Cleaning

Smart cleaning equipment deeply empowers transportation hub applications and accelerates the intelligent transformation of cleaning management systems

Pain Points of transportation hub application



Employment risks

- Personal safety risks during the operation
- Cleaning staff are older and posing health risks
- Low education level and high management risk



Poor cleaning quality

- The cleaning process is not transparent
- The area that a single person is responsible for is large, and the labor intensity is high
- Large flow of people, fast recovery from dirt, and high cleaning frequency requirements



L Cost pressure

- The aging cleaning population poses significant financial risks
- High turnover rate and high recruitment costs
- A large number of cleaning staff results in high labor



costs

Requirements of transportation hub application

Cleaning Quality Improvement

Overall cost reduction

Improve the owner's image

Digital management Reduce labor intensity

Controllable operation process

Advantages of AgiBot



Corporate Strength

- AgiBot C5 has conducted extensive application research and testing in transportation hubs, and its products meet the cleaning requirements of various areas.
- Professional after-sales team provides 24 hour service

Providing professional solutions tailored to transportation hub application.

- Focusing on transportation hub applications, we gain an in-depth understanding of the characteristics of passenger flow in different areas and at different times toimprove professional solutions.
- AgiBot C5 can perform sweeping, scrubbing and dust mopping functions to meet the cleaning
- requirements of different time periods. It also has a good collection effect on common solid waste.
- Deep learning algorithms enable accurate identification of pedestrians and rapid response Workstations can be configured to operate 24 hours a day, which improves cleaning frequency and quality and strengthens cleaning in high-sensitivity areas
- It can be operated in different time periods and zones to avoid peak traffic flow and ensure that a full coverage floor scrubbing is completed before opening in the morning
- For daily equipment maintenance, C5 can perform self-cleaning of the sewage tank, reducing manual maintenance time by more than half.

Transportation hub application solutions (waiting area, pre-security check, arrival/exit area, passage area)



Waiting (Airport) Floor

- Work area characteristics: large flow of people during business hours, and there are many seats in waiting area
- Suggested device: AgiBot C5
- Operation plan: Full-time dust mopping during business hours and full-coverage floor scrubbing at night



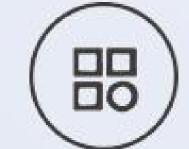
Arrival/Departure Area

- Work area characteristics: There is a large flow of people during business hours
- Suggested device: AgiBot C5
- Operation plan: Avoid peak traffic hours and perform full-time floor washing work



Pre-security area

- Work area characteristics: One-meter hurdles, people and luggage move quickly
- Suggested device: AgiBot C5
- Operation plan: Dust mopping is carried out all the time during business hours, while the cleaning frequency is increased in high-sensitivity areas, and a full-coverage floor scrubbing is carried out at night.



Others passages

- Work area features: escalators, moving vehicles, etc.
- Suggested device: AgiBot C5
- Operation plan: Full-time dust mopping during business hours, and one covering floor scrubbing/dust mopping at night according to the ground conditions

Advantages of transportation hub solutions

| Operation Scenario | Working area | Work zone | Cleaning Mode | Traditional cleaning | | | Smart cleaning | | |
|-----------------------|--------------|----------------------------|---|----------------------|------|---------------------|-------------------|-------------------------|---|
| | | | | Frequency/ day | Time | Number of people | Frequency/ day | Number of Robots | Solution |
| Transportation hubs | 4000 | Waiting Area | Business Hour Dust mopping during business hours Floor scrubbing during night | 2+Inspection | 4 | 20 | >1 | 8 units of AgiBot C5 | 8 units of AgiBot C5 are used to replace 10 cleaning staff Ensure a full-coverage floor cleaning is completed before the start of each working day. Develop corresponding cleaning plans and different cleaning modes according to different areas Increase cleaning frequency and improve cleaning quality for high-perception areas in different regions Double-chamber suction scraper is adopted to ensure no water remains on the ground |
| | 6000 | Pre - security check | Business Hour Dust mopping during business hours Floor scrubbing during night | 2+Inspection | 5 | | >2 | | |
| | 4000 | Arrival/ Departure Area | Full-time floor scrubbing | 2+Inspection | 4 | | 4 | | |
| | 8000 | Passage Area | Full-time dust mopping/ On-demand floor scrubbing | 2+Inspection | 6 | | 3 | | |

The value of transportation hub solutions

Staff

- Reduce the number of cleaning staff
- Reduce cleaning labor intensity
- Reduce employment risks
- Reduce labor management work

Management

- The operation process is transparent and controllable
- Digitization of work results
- Increased cleaning frequency and improved cleaning quality
- Human-machine combined cleaning improves image of cleaning staff

Cost

- Reduce labor costs
- Reduce management costs
- Improve cleaning quality, avoid residual water on the ground, and reduce personnel risk
- Improve operational efficiency and reduce overall costs



