**解決方案名稱：東軟智能防疫服務機器人-東軟消毒安全衛士機器人Neusoft disinfection safety guard robot**

**範疇：人工智慧、機器人、室內導航、人臉辨別**

**解決方案描述：**

1. 消毒方式：採用廣譜、安全、高效的二氧化氯消毒劑，通過鈍化合成將二氧化氯氣體分子飄逸到空間消毒滅菌的技術;Disinfection method: a broad-spectrum, safe and efficient chlorine dioxide disinfectant is used, and the chlorine dioxide molecules are floated to the space for disinfection and sterilization through passivation synthesis
2. 消毒安全性：A1級安全、高效的綠色殺菌消毒劑，是消毒技術中唯一獲此認證者。Disinfection safety: A1 level safe and efficient green disinfectant is the only one certified in disinfection technology
3. 自主導航：自主完成建圖導航，智能避障，自主完成消毒任務，智能充電;Autonomous Navigation: autonomous map building navigation, intelligent obstacle avoidance, autonomous disinfection task, intelligent charging
4. 消毒任務：支持兩種任務：1、日常消毒任務，每天固定時間點對固定區域完成消毒任務；2、緊急消毒任務，當下有緊急區域消毒任務；Disinfection task: support two tasks: 1. Daily disinfection task, complete disinfection task for fixed area at a fixed time every day; 2. Emergency disinfection task, there is an emergency area disinfection task
5. 消毒範圍可追溯：即時監控消毒流程，生成完整工作日志，消毒路徑一清二楚。The scope of disinfection can be traced back: monitor the disinfection process in real time, generate a complete work log, and make the disinfection path clear

**試用成果：**

1. 360°氣體分子空間消毒，作用完後產物為二氧化碳和水，無毒無害； 360 ° gas molecular space disinfection, the product after the action is carbon dioxide and water, non-toxic and harmless
2. 每次消毒200m³消耗1粒二氧化氯消毒藥丸，機器人最多容納4粒藥丸，4小時完成消殺任務。

One chlorine dioxide disinfection pill is consumed for each disinfection of 200m3, and the robot can hold up to 4 pills, and complete the killing task in 4 hours。

1. 自助導航:自主完成建圖導航，智能避障，支持鏤空物體避障，自動回歸充電樁智能充電;Self help navigation: self complete map building navigation, intelligent obstacle avoidance, support hollow objects to avoid obstacles, automatic return to charging post intelligent charging
2. 消毒任務：每天定時完成規劃區域消毒任務、可设定緊急消毒任務、消毒範圍可以追溯、即時監控消毒流程。Disinfection task: regularly complete the disinfection task in the planned area every day, set the emergency disinfection task, trace the disinfection scope, and monitor the disinfection process in real time.
3. 消殺細菌：

1、對白色葡萄球菌、鼠傷寒沙門氏菌、金黃色葡萄球菌、大腸桿菌、禽流感、非典型性肺炎新型冠狀病毒≥99.99%;

2、對空氣的自然菌的消毒率≥93.86%

3、對甲醛的祛除率≥99%;

4、對氨的祛除率≥98%。

Kill bacteria:

1. To Staphylococcus albus, Salmonella typhimurium, Staphylococcus aureus, Escherichia coli, avian influenza, SARS new coronavirus ≥ 99.99%;

2. Disinfection rate of natural bacteria to air ≥ 93.86%

3. The removal rate of formaldehyde was ≥ 99%;

4. The removal rate of ammonia was ≥ 98%.

**相關照片：**



