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The Silver Star Smart National Science and Technology Support Program project demonstration will be successfully concluded

On the afternoon of October 23rd, the review project for feasibility review of the topic of the research and application of common cleaning technology for household cleaning robots held by Yinxing Intelligence was held in Shenzhen Graduate School of Peking University. Shenzhen was present at the meeting. The director of the Municipal Science and Technology Innovation Committee Yu Yingpu, the deputy general manager of Yinxing Intelligence Zhang Guodong, and the person in charge of the six universities and colleges also attended the meeting.

This project aims to break through the common key technologies such as non-signal location and map creation, environmental understanding and motion planning for mobile robots with low-cost vision sensors, trajectory tracking control and autonomous navigation without direct position measurement, multi-robot task assignment and coordinated motion control . The development of an open common technology software library has been demonstrated and promoted in two mobile home service robots, ie, cleaning robots and mowing robots.

The main content of this project review meeting is that the responsible persons of the six universities and colleges report each one by one according to their respective divisions of work. The evaluation experts will ask questions and discuss on the spot. Finally, they will comprehensively evaluate the scores of each assessment to determine whether they can enter the next stage of assessment. In the end, Silver Star Smart successfully entered the next stage with a score of 89.9. .

The cooperation between Silver Star Intelligence and the six universities has fully combined the technical advantages and resources of each party. It not only plays a decisive role in the research and development, application demonstration and industrialization promotion of key technologies in the process of service robot intelligentization and productization. The role, at the same time, is also of positive significance to enhancing the competitiveness of relevant industries in the country.

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银星智能国家科技支撑计划项目论证会圆满结束

10月23日下午，由银星智能承担的国家科技支撑计划项目"家用清洁机器人共性技术研究及其应用"的课题可行性论证评审会议在北京大学深圳研究生院召开，出席此次会议的有深圳市科技创新委员会于英普处长，银星智能常务副总经理张国栋，及六大高校的课题负责人也一同出席了会议。

该项目旨在拟突破低成本视觉传感器的移动机器人无路标定位与地图创建、环境理解与运动规划、无直接位置测量的轨迹跟踪控制与自主导航、多机器人任务分配与协调运动控制等共性关键技术。研发开放式共性技术软件库，在清洁机器人、割草机器人两款家用移动服务机器人产品中得到示范应用和推广。

本次课题评审会议主要内容是六大高校的课题负责人根据各自的分工逐一汇报，评审专家现场提问并讨论，最终综合各评审打分情况来判定是否能进入下一阶段的评审。最终银星智能以89.9的分数成功进入下一阶段。。

此次银星智能与六大高校的合作，充分结合了各方的技术优势和资源，不仅对服务机器人智能化和产品化过程中的关键技术的研究开发、应用示范及产业化推广起到决定性的作用，同时，对提升国家相关行业的竞争力也具有积极意义。