

# MedFlow

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MedFlow is our solution for medical supply chain optimization within hospitals. The software allows the user to control a fleet of autonomous carts in user-defined hospital layouts. The carts deliver supplies wherever needed according to medical triage standards, where more urgent scenarios (ie. a patient crashes and needs medicines immediately) over semi-urgent scenarios and basic supply upkeep. Through these scenarios, MedFlow calculates metrics such as energy use and CO<sub>2</sub> emissions to allow the user to measure how sustainable various setups are, as well as basic performance metrics like idle time, percentage of jobs completed on time and cart status. MedFlow enables hospitals to optimally design their autonomous fleets for optimal patient outcomes and sustainability.