Design and implement a Python program that simulates the coordination between n robots and m workers in a robotic cell to assemble a product. The system should allow the supervisor to manage operations, including assigning tasks, monitoring the status of robots and workers, and tracking the progress of assembly. Your system should support the following functionalities:

**Add and remove robots**: Allow the supervisor to add new robots to the robotic cell or remove existing ones. Each robot should have a unique ID and status (idle, working, or finished task).

**Add and remove workers**: Similar to robots, workers can be added or removed from the system. Each worker should have a unique ID and status (idle, working, or finished task).

**Assign tasks** to robots and workers: Tasks such as welding, assembling, or inspecting need to be assigned to robots and workers. Each task requires specific resources (e.g., 1 robot and 1 worker) and has a time duration before it can be completed. The system should dynamically assign tasks to idle robots and workers.

**Monitor task progress**: Track the progress of each task and update the status of robots and workers in real-time. Tasks should transition from not started to in progress, and finally completed. Once a task is completed, the system should mark the involved robots and workers as idle again, ready for the next task.

**Product management**: The supervisor can assign a product to the robotic cell for assembly. The product should have multiple assembly steps (e.g., welding, assembling, testing). Each step should define the type and number of resources (robots/workers) required and the order in which the steps must be completed.

**Error handling**: Handle situations such as:

Attempting to assign tasks when no robots or workers are available.

Trying to remove robots or workers that are currently engaged in a task.

Overloading the system with more tasks than can be handled by available robots and workers.

**Display status of robots, workers, and tasks**: The system should provide real-time updates on the status of each robot, worker, and task. This includes which tasks are in progress, which are completed, and the status of the robots and workers (idle or busy).

**Report completion of product assembly**: When all tasks required for the product are completed, the system should notify the supervisor that the product has been fully assembled.