Coordination

- drone poses: std::vector<Eigen::Matrix4f>
- motion_commands: std::vector<Eigen::Matrix3f>
- + Coordination()
- + ~Coordination()
- + assign_pose(int, Eigen::Matrix4f): void
- + generate_motion_command(int): Eigen::Vector3f
- + update pose(int, Eigen::Matrix4f): void
- + ensure coverage(): void
- + log details(): void

DataCapture

- assigned region: Eigen::Vector3f
- waypoints: Eigen::Vector3f
- depth data: std::vector<float>
- + capture_depth_data(): std::vector<float>
- + DataCapture()
- + ~DataCapture()
- + assign_region(Eigen::Vector3f& region): void
- + plan_navigation(std::vector<Eigen::Vector3f>&
- new waypoints): void
- + process depth data(std::vector<float>& depth data): void
- + log_results():void

Reconstruction

- individual_point_clouds: std::vector<open3d::geometry::PointCloud>
- unified_point_cloud: open3d::geometry::PointCloud
- + merge point clouds: open3d::geometry::PointCloud
- + process_unified_point_cloud: open3d::geometry::PointCloud
- + Reconstruction()
- + ~Reconstruction()
- + add_point_cloud(open3d::geometry::PointCloud): void
- + apply sensor fusion(): void
- + log_details(): void