

- on the operator's body, and in turn significantly reduce the variance of the center of pressure position when the user is presented with feedback.



# Monitoring Crane Environment

- Construct 3D models of the site from
- live video feeds in real-time using Plan Detect safety hazards
- Detect, track, and forecast motion trajectories of workers, equipment, and material
- Map motion trajectories, deviations, and safety hazards





Tracking workers in real-time on a construction site and reporting both their pose and their proximity to other workers, equipment, and material in the scene for safety monitoring

## Crane and Operator Control Feedback

- Control feedback in visual and audio cues
- Delivered to the operator through a tablet installed in the cabin Presented the operator with the reconstructed lifting scene, and information on the monitored state of the crane



*Reconstruction of the lifting of a concrete panel displayed on the tablet computer* 

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