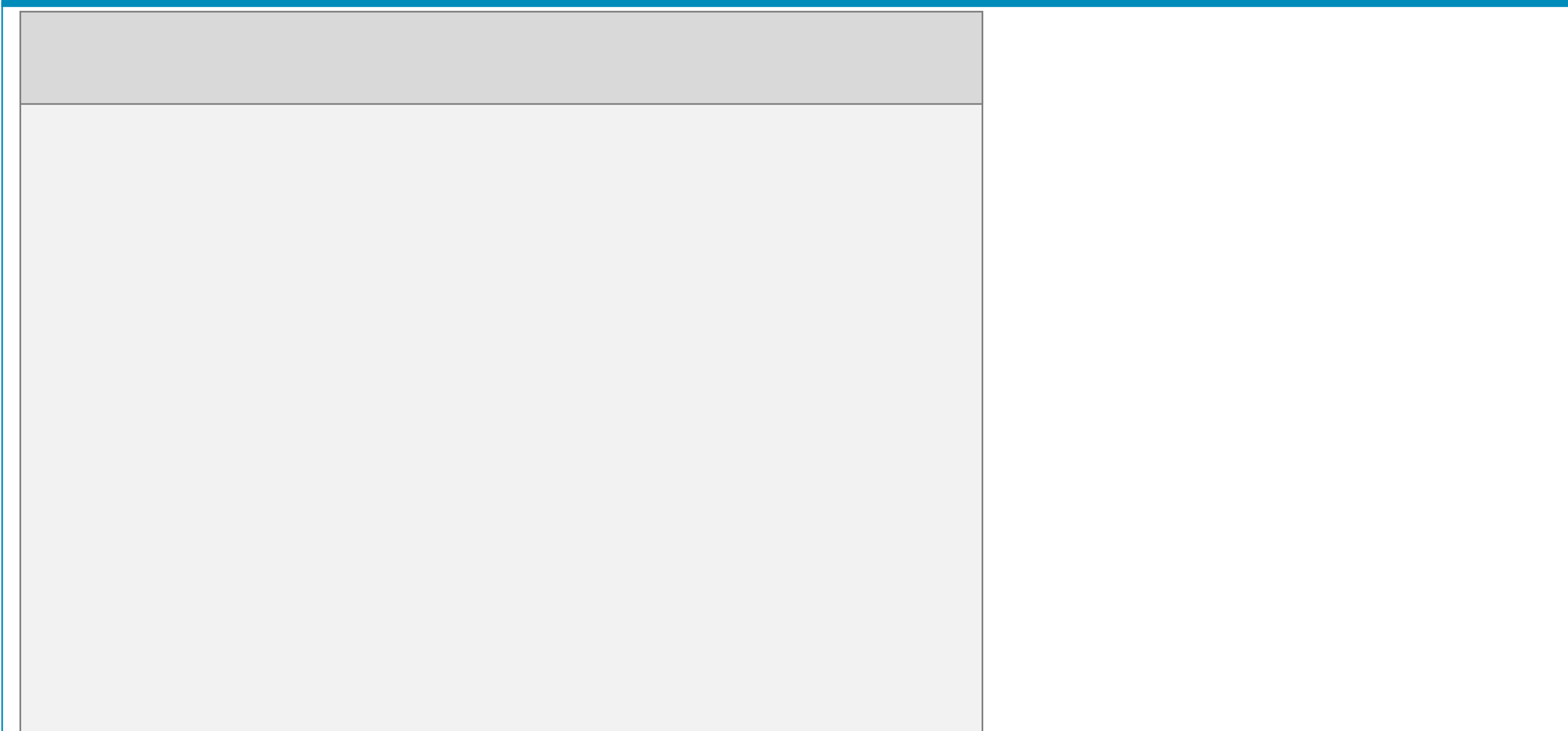


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Cerebro uses a innovative human-detection and memorization algorithm, based on a Computer Vision Machine Learning algorithm (modified neural network) to detect humans in the video streams of the hundreds of cameras on campus. Using this algorithm, crimes can be detected in real time. As a crime is committed, the suspect is tagged in the system, and they are then tracked from camera to camera as they attempt to flee. Their location is reported to police in real-time, and is displayed on tablets in police cruisers as both video and as a dot on a map. Using this, police can track the suspect, update information about the chase, and bring the chase to a conclusion both quicker and more efficiently than ever.

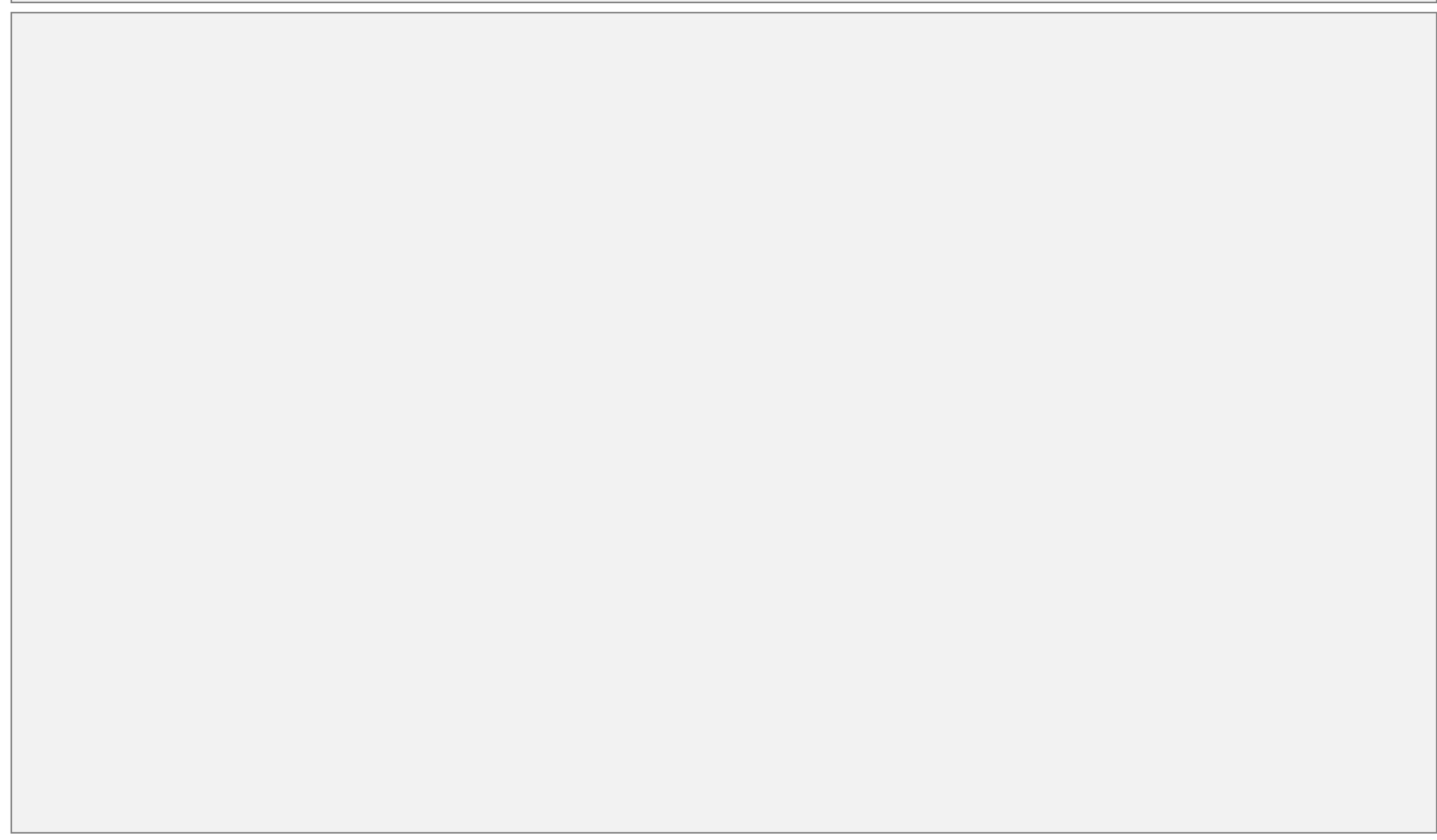
T

Cerebro Solutions

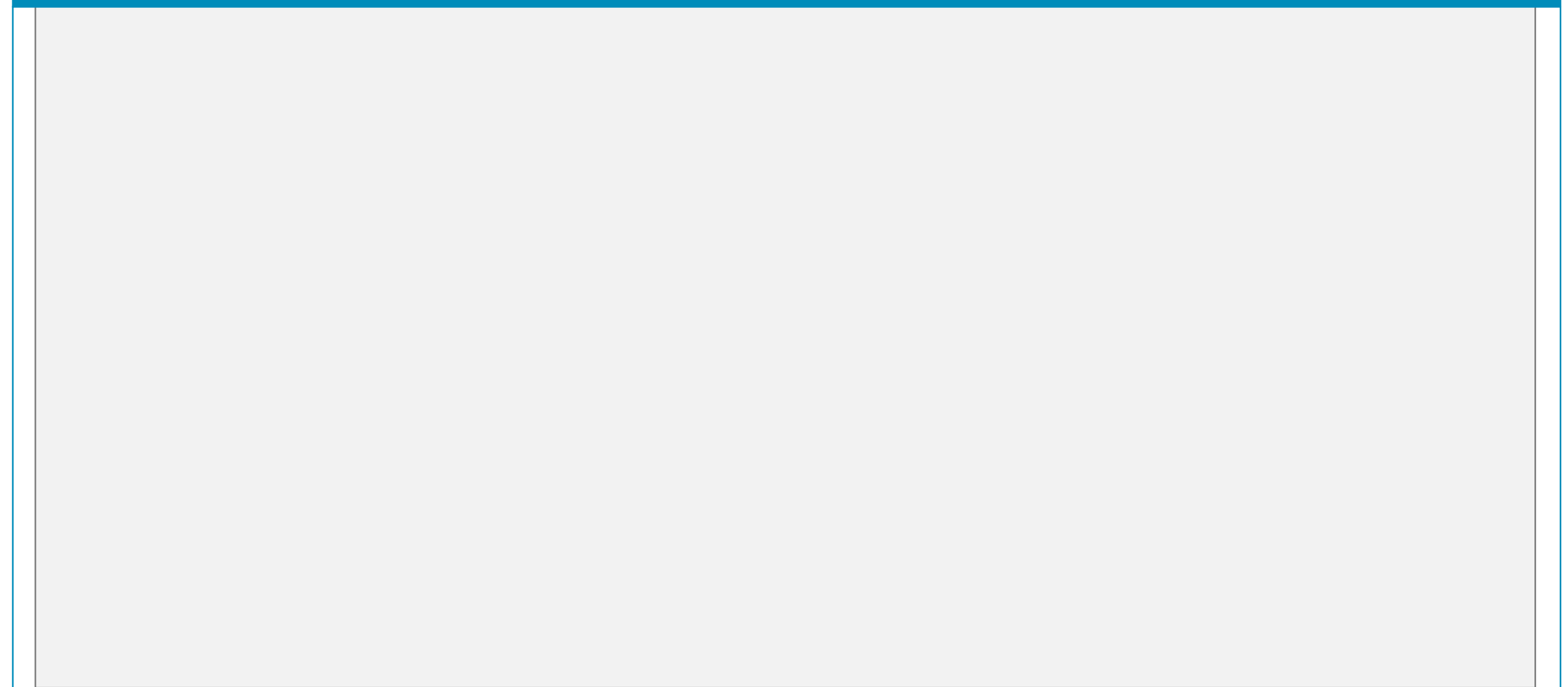
Hardware

Software & Data

HelpKey



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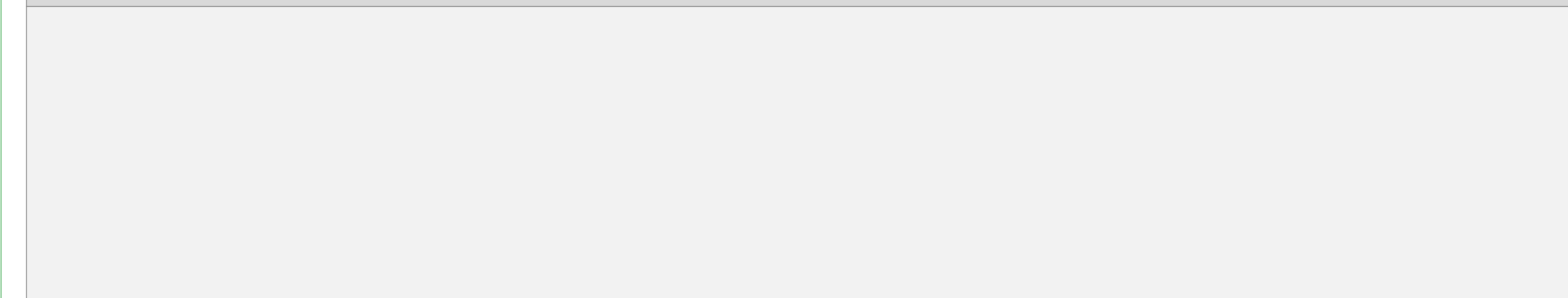
T M S



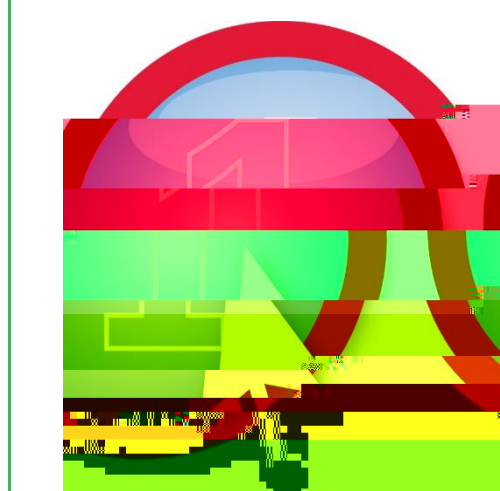
MP TO I L I



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Organizations

- Choose Ohio First
- Parker Hannifin Corporation
- Cleveland State University EECS Department

Individuals

- Dr. Sunnie Sun Chung (CSU EECS Department)
- Dr. Pong P. Chu (CSU EECS Department)

