Traffic studies from more than 10 square kilometres?

We can extend range of your study from hundreds of meters to kilometres!

To measure **transit time** and **directionality analysis** within large areas that cannot be covered by a single camera, even from a drone, individual vehicles need to be reliably re-identified to allow subsequent time-spatial matching of their occurrences.

SWISSTRAFFIC.ai offers the following solution:

- Combining trajectories from overlapping video footage - getting complete telemetry of passage

Trajectory merging in time and space - DRONE

SWISSTRAFFIC.ai DRONE can merge trajectories from multiple image sources to provide complete telemetry of each individual object on **a vast surface**. This unique feature makes it possible to extend the sensing range from hundreds of meters **to kilometres**. The actual connection operation uses information about time, motion prediction of the object and its visual description. The algorithm searches for an optimal solution of a **multi-criteria problem** using probabilistic models, which results in a high success rate in coupling.