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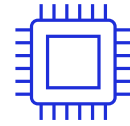
AI traffic insights 12 months of real-world learning ■■■

From Pilot to Practice



What is AwareAI?

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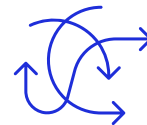
Camera-based AI detection



12 classes



Integrates seamlessly with traffic controllers



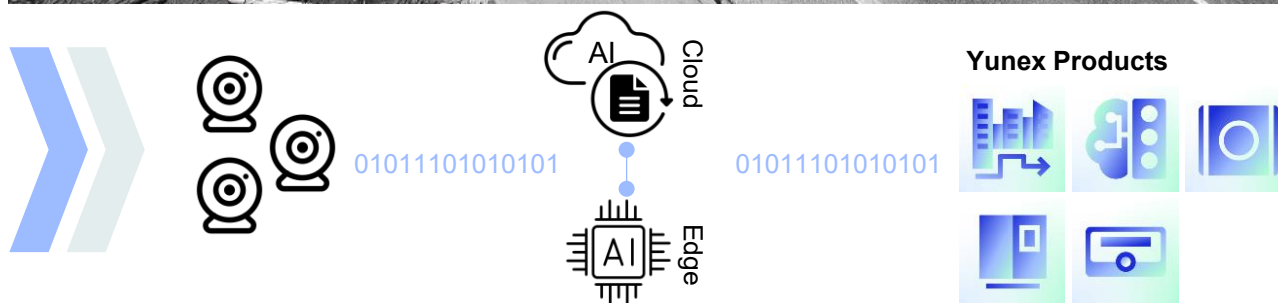
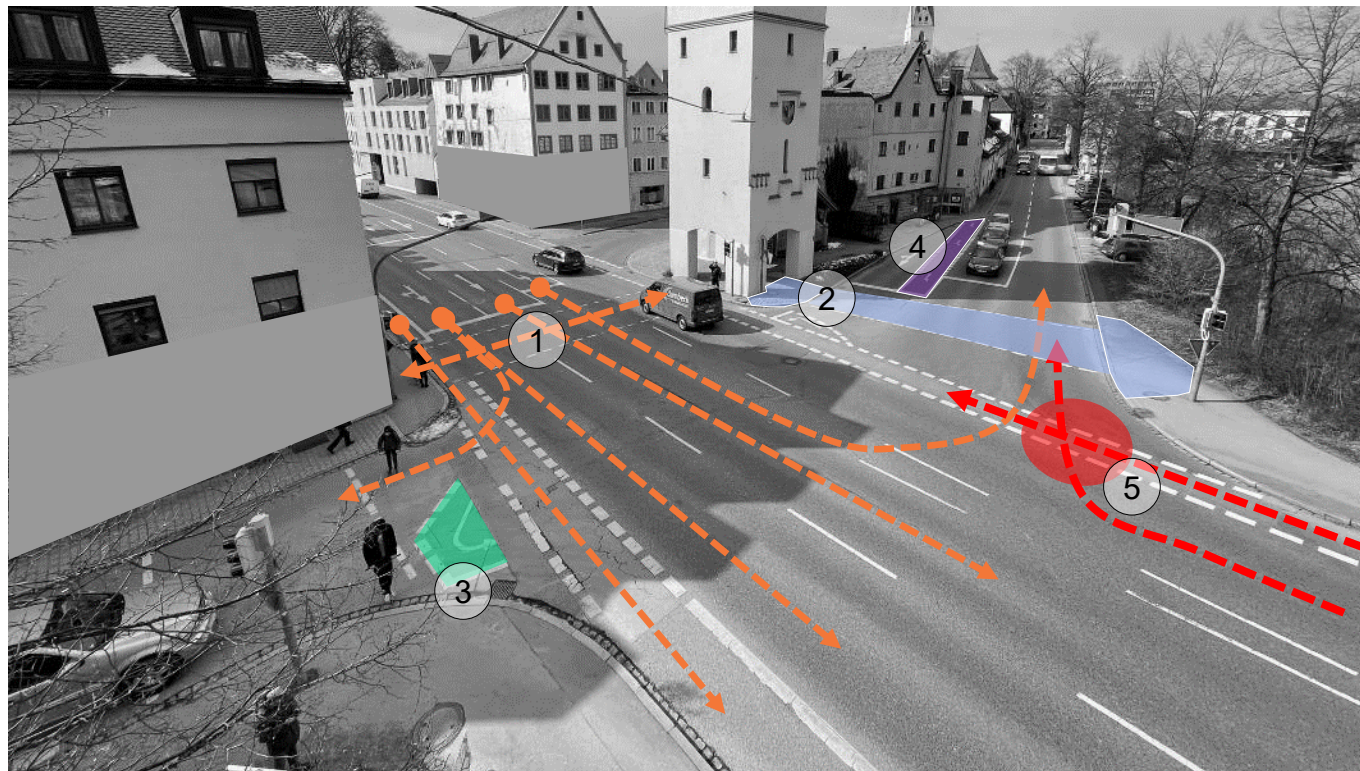
Flexibel configuration



New or existing cameras

A technical solution for a wide range of standard and advanced ITS applications

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Traffic Flow Insights

- 1 for real-time motion analysis of all road users such as pedestrians, cyclists, vehicles in the entire intersection area

Traffic
Optimization

Safe Pedestrian Crossing

- 2 for contactless request and adjustment of green time

VRU protection

Dynamic Spot Detector

- 3 for counting, speed measurement and occupancy of all road users for any zones

Traffic
Optimization

Intelligent Priority

- 4 individually for all classes of road users

Traffic
Optimization

VRU Conflict Awareness

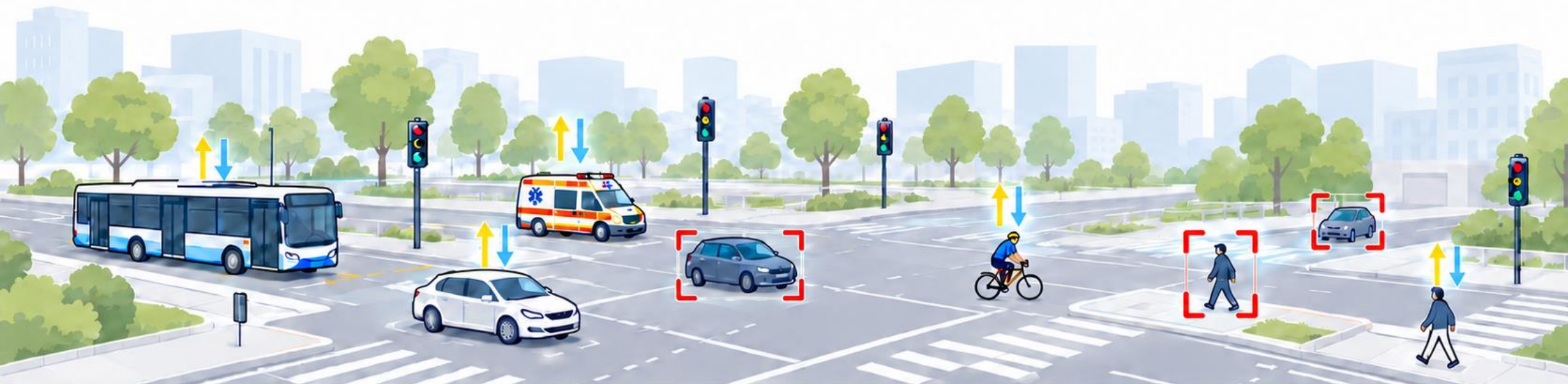
- 5 To reduce accidents between non-motorized and motorized traffic.

VRU protection

Not everyone is connected.

Flanders today: connected road users share data

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Connected road users

Share traffic data via a vehicle or app



Non-connected road users

No connected-user data shared

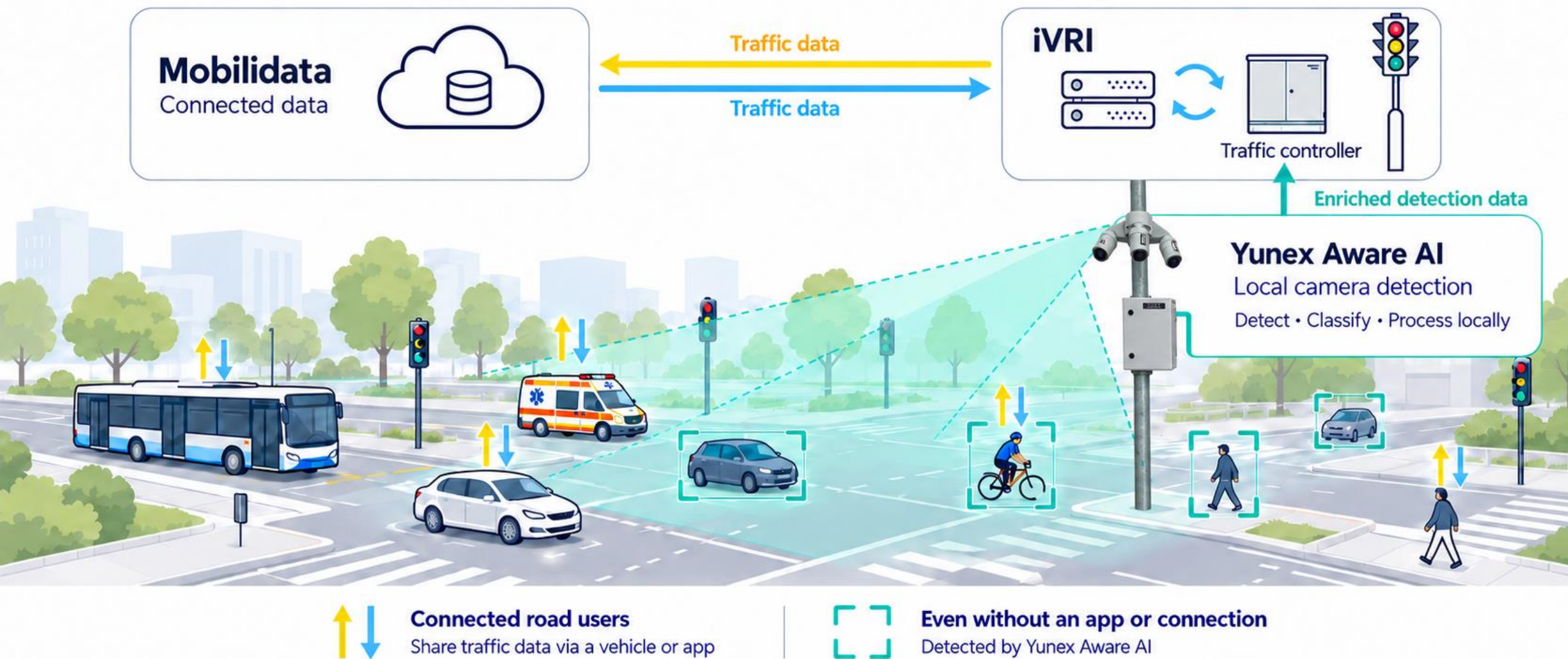
Connected data alone does not capture every road user

Simplified connected-data view

Not everyone is connected.

Yunex Aware AI complements the Mobilidata ecosystem

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Connected data + local detection = a more complete traffic picture

Conceptual integration

From concept to reality

12 months of lessons learned in Flanders

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What does it take to make this work reliably on the street?



What worked?

Where did we see real value?



What challenged us?

What did we encounter in practice?



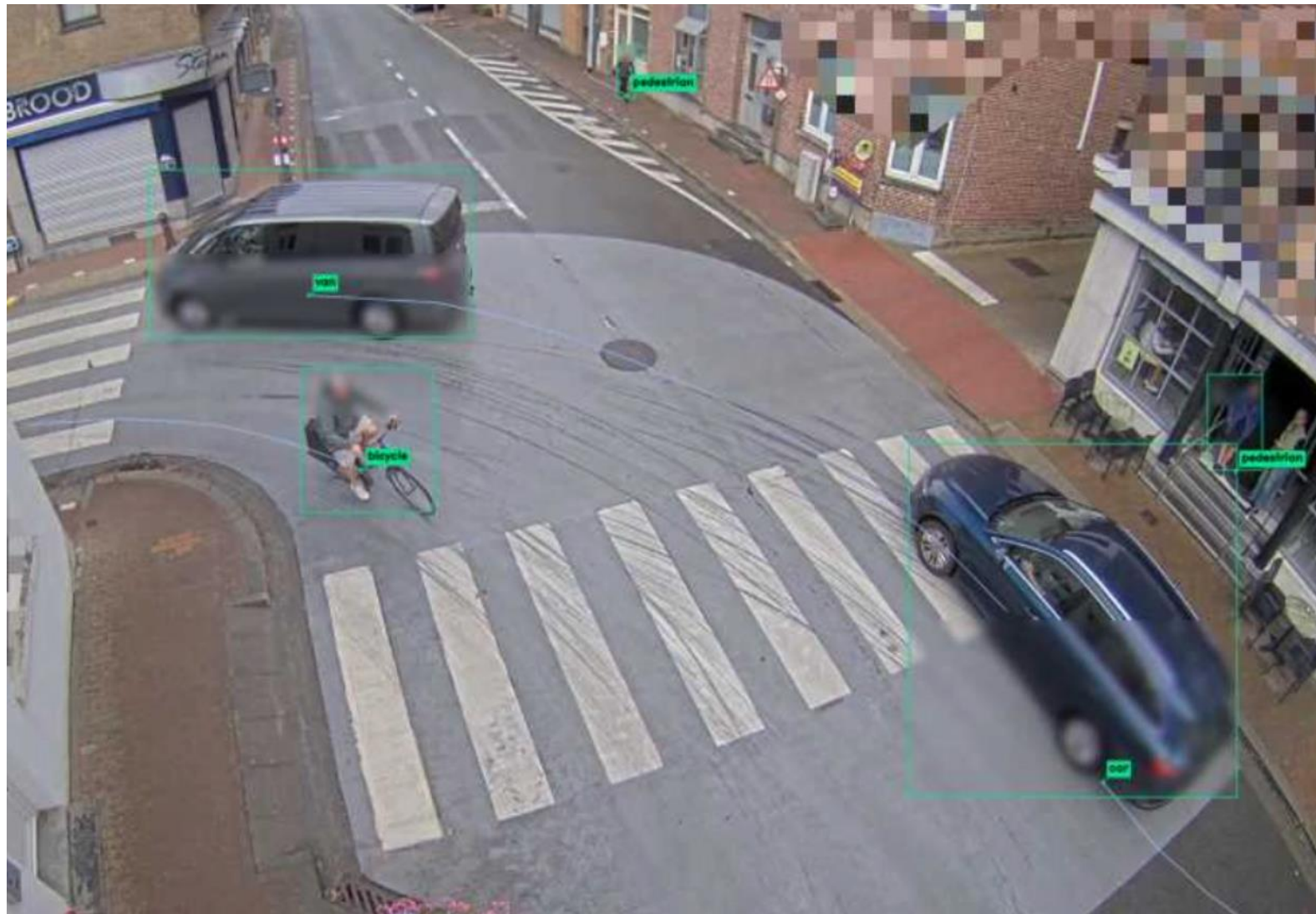
What comes next?

What is needed to scale up?

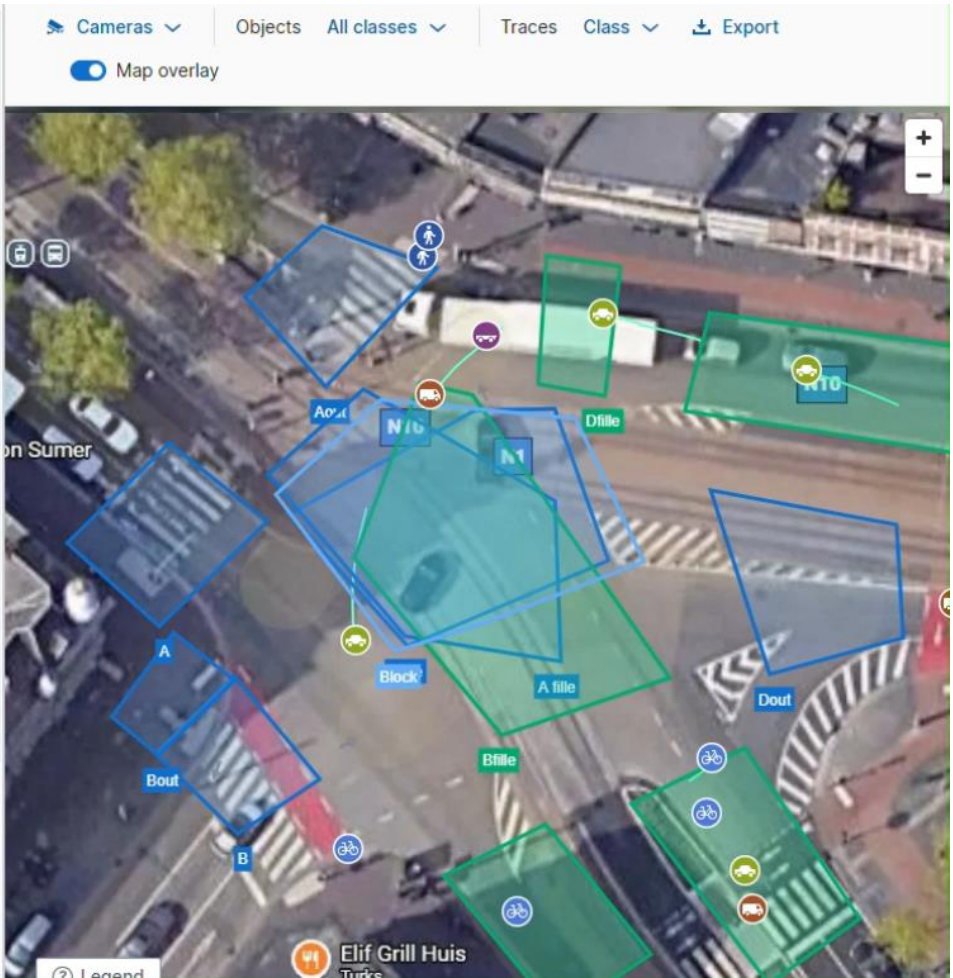
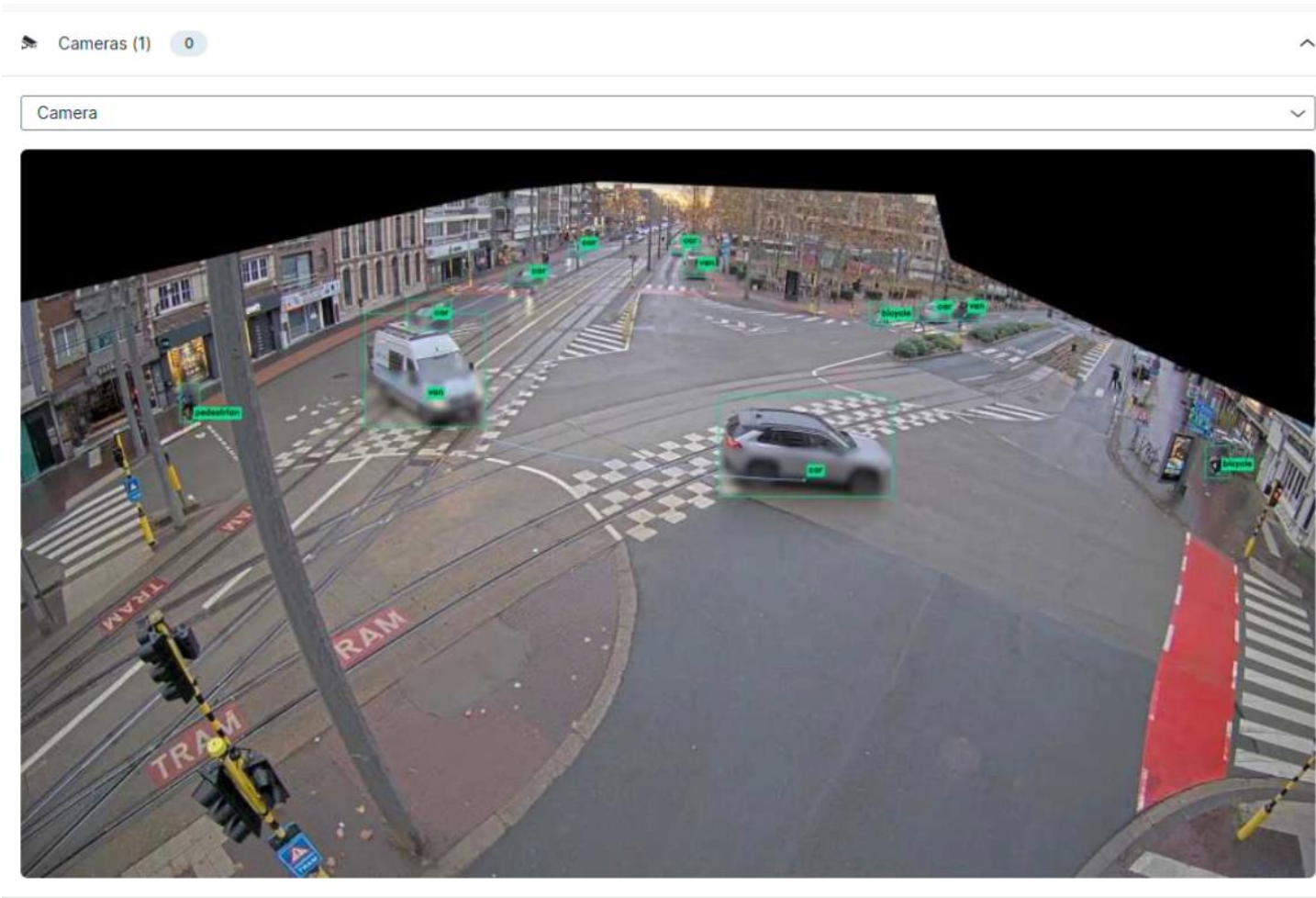


Fietsbarometer project: Kortemark

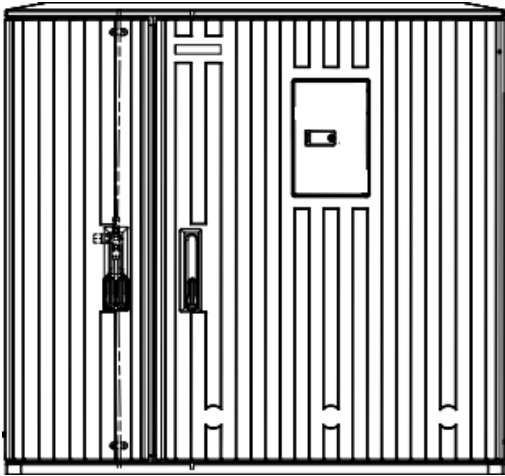
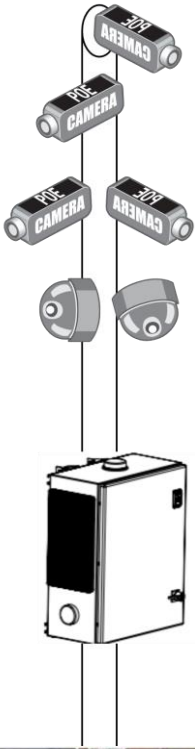
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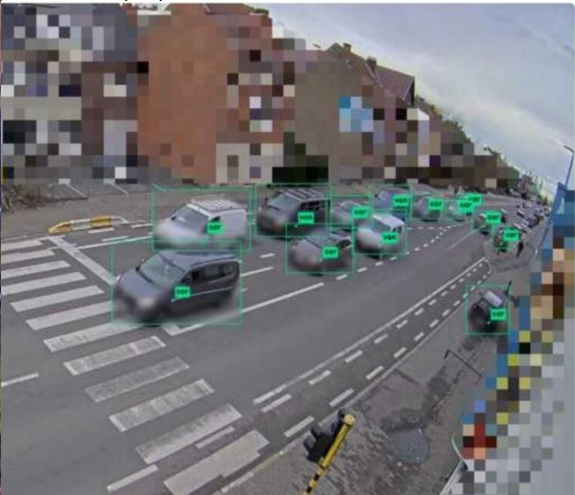
Proof Of Concept Brussels



Proof Of Concept: Test with AWW in Halle



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Demonstration Lantis Tender

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The screenshot displays the 'BE, Huizingen, Fietsbarometer' interface. The top navigation bar includes 'Validation view', 'Live view', 'Zones', 'Traffic flows', and 'Rules'. The left sidebar shows 'Cameras (5)' and a search bar. The main area is split into two panels. The left panel shows a live camera view of a street intersection with a red-paved area and a white car. The right panel shows a map overlay with various colored zones (green, blue, red) and labels (A-1, A-2, A-3, A-4, A-5, A-6, A-7, A-8, A-9, A-10, A-11, A-12, A-13, A-14, A-15, A-16, A-17, A-18, A-19, A-20, A-21, A-22, A-23, A-24, A-25, A-26, A-27, A-28, A-29, A-30, A-31, A-32, A-33, A-34, A-35, A-36, A-37, A-38, A-39, A-40, A-41, A-42, A-43, A-44, A-45, A-46, A-47, A-48, A-49, A-50, A-51, A-52, A-53, A-54, A-55, A-56, A-57, A-58, A-59, A-60, A-61, A-62, A-63, A-64, A-65, A-66, A-67, A-68, A-69, A-70, A-71, A-72, A-73, A-74, A-75, A-76, A-77, A-78, A-79, A-80, A-81, A-82, A-83, A-84, A-85, A-86, A-87, A-88, A-89, A-90, A-91, A-92, A-93, A-94, A-95, A-96, A-97, A-98, A-99, A-100, A-101, A-102, A-103, A-104, A-105, A-106, A-107, A-108, A-109, A-110, A-111, A-112, A-113, A-114, A-115, A-116, A-117, A-118, A-119, A-120, A-121, A-122, A-123, A-124, A-125, A-126, A-127, A-128, A-129, A-130, A-131, A-132, A-133, A-134, A-135, A-136, A-137, A-138, A-139, A-140, A-141, A-142, A-143, A-144, A-145, A-146, A-147, A-148, A-149, A-150, A-151, A-152, A-153, A-154, A-155, A-156, A-157, A-158, A-159, A-160, A-161, A-162, A-163, A-164, A-165, A-166, A-167, A-168, A-169, A-170, A-171, A-172, A-173, A-174, A-175, A-176, A-177, A-178, A-179, A-180, A-181, A-182, A-183, A-184, A-185, A-186, A-187, A-188, A-189, A-190, A-191, A-192, A-193, A-194, A-195, A-196, A-197, A-198, A-199, A-200, A-201, A-202, A-203, A-204, A-205, A-206, A-207, A-208, A-209, A-210, A-211, A-212, A-213, A-214, A-215, A-216, A-217, A-218, A-219, A-220, A-221, A-222, A-223, A-224, A-225, A-226, A-227, A-228, A-229, A-230, A-231, A-232, A-233, A-234, A-235, A-236, A-237, A-238, A-239, A-240, A-241, A-242, A-243, A-244, A-245, A-246, A-247, A-248, A-249, A-250, A-251, A-252, A-253, A-254, A-255, A-256, A-257, A-258, A-259, A-260, A-261, A-262, A-263, A-264, A-265, A-266, A-267, A-268, A-269, A-270, A-271, A-272, A-273, A-274, A-275, A-276, A-277, A-278, A-279, A-280, A-281, A-282, A-283, A-284, A-285, A-286, A-287, A-288, A-289, A-290, A-291, A-292, A-293, A-294, A-295, A-296, A-297, A-298, A-299, A-300, A-301, A-302, A-303, A-304, A-305, A-306, A-307, A-308, A-309, A-310, A-311, A-312, A-313, A-314, A-315, A-316, A-317, A-318, A-319, A-320, A-321, A-322, A-323, A-324, A-325, A-326, A-327, A-328, A-329, A-330, A-331, A-332, A-333, A-334, A-335, A-336, A-337, A-338, A-339, A-340, A-341, A-342, A-343, A-344, A-345, A-346, A-347, A-348, A-349, A-350, A-351, A-352, A-353, A-354, A-355, A-356, A-357, A-358, A-359, A-360, A-361, A-362, A-363, A-364, A-365, A-366, A-367, A-368, A-369, A-370, A-371, A-372, A-373, A-374, A-375, A-376, A-377, A-378, A-379, A-380, A-381, A-382, A-383, A-384, A-385, A-386, A-387, A-388, A-389, A-390, A-391, A-392, A-393, A-394, A-395, A-396, A-397, A-398, A-399, A-400, A-401, A-402, A-403, A-404, A-405, A-406, A-407, A-408, A-409, A-410, A-411, A-412, A-413, A-414, A-415, A-416, A-417, A-418, A-419, A-420, A-421, A-422, A-423, A-424, A-425, A-426, A-427, A-428, A-429, A-430, A-431, A-432, A-433, A-434, A-435, A-436, A-437, A-438, A-439, A-440, A-441, A-442, A-443, A-444, A-445, A-446, A-447, A-448, A-449, A-450, A-451, A-452, A-453, A-454, A-455, A-456, A-457, A-458, A-459, A-460, A-461, A-462, A-463, A-464, A-465, A-466, A-467, A-468, A-469, A-470, A-471, A-472, A-473, A-474, A-475, A-476, A-477, A-478, A-479, A-480, A-481, A-482, A-483, A-484, A-485, A-486, A-487, A-488, A-489, A-490, A-491, A-492, A-493, A-494, A-495, A-496, A-497, A-498, A-499, A-500, A-501, A-502, A-503, A-504, A-505, A-506, A-507, A-508, A-509, A-510, A-511, A-512, A-513, A-514, A-515, A-516, A-517, A-518, A-519, A-520, A-521, A-522, A-523, A-524, A-525, A-526, A-527, A-528, A-529, A-530, A-531, A-532, A-533, A-534, A-535, A-536, A-537, A-538, A-539, A-540, A-541, A-542, A-543, A-544, A-545, A-546, A-547, A-548, A-549, A-550, A-551, A-552, A-553, A-554, A-555, A-556, A-557, A-558, A-559, A-560, A-561, A-562, A-563, A-564, A-565, A-566, A-567, A-568, A-569, A-570, A-571, A-572, A-573, A-574, A-575, A-576, A-577, A-578, A-579, A-580, A-581, A-582, A-583, A-584, A-585, A-586, A-587, A-588, A-589, A-590, A-591, A-592, A-593, A-594, A-595, A-596, A-597, A-598, A-599, A-600, A-601, A-602, A-603, A-604, A-605, A-606, A-607, A-608, A-609, A-610, A-611, A-612, A-613, A-614, A-615, A-616, A-617, A-618, A-619, A-620, A-621, A-622, A-623, A-624, A-625, A-626, A-627, A-628, A-629, A-630, A-631, A-632, A-633, A-634, A-635, A-636, A-637, A-638, A-639, A-640, A-641, A-642, A-643, A-644, A-645, A-646, A-647, A-648, A-649, A-650, A-651, A-652, A-653, A-654, A-655, A-656, A-657, A-658, A-659, A-660, A-661, A-662, A-663, A-664, A-665, A-666, A-667, A-668, A-669, A-670, A-671, A-672, A-673,

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