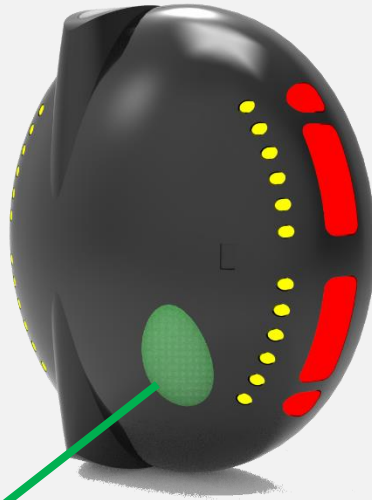


SENTRY BIKE

Side distance warning for bicycles



Pre-liminary

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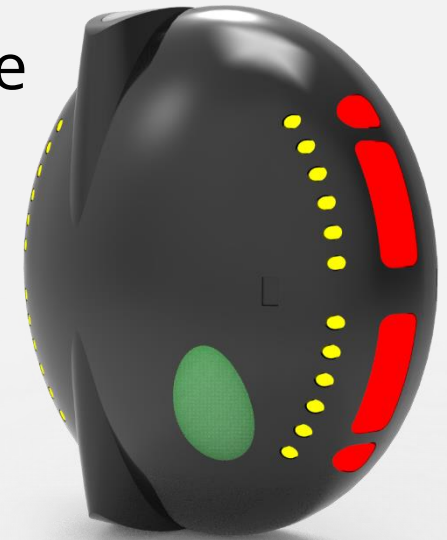
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The problem

- Bicycles, pedelecs, cargo bikes, etc. are not actively illuminated from the side
 - Difficult to see in twilight and darkness
 - Width of the bicycle not predictable
 - Easily overlooked by the motor vehicle standing next to it before the traffic light
 - Motor vehicles do not keep the minimum distance next to bicycle lanes

Our solution

- The Sentry Bike – a side mounted warning light for bicycles
 - Integrated projection of the required distance, visible on the road from a distance of approx. 10m
 - Integrated yellow or white warning lights
 - Distance sensor, which switches on an additional yellow/white warning light when the minimum distance is not reached
 - Integrated rear light



Sentry Bike features

Torch-light illuminates biker in case of alarm

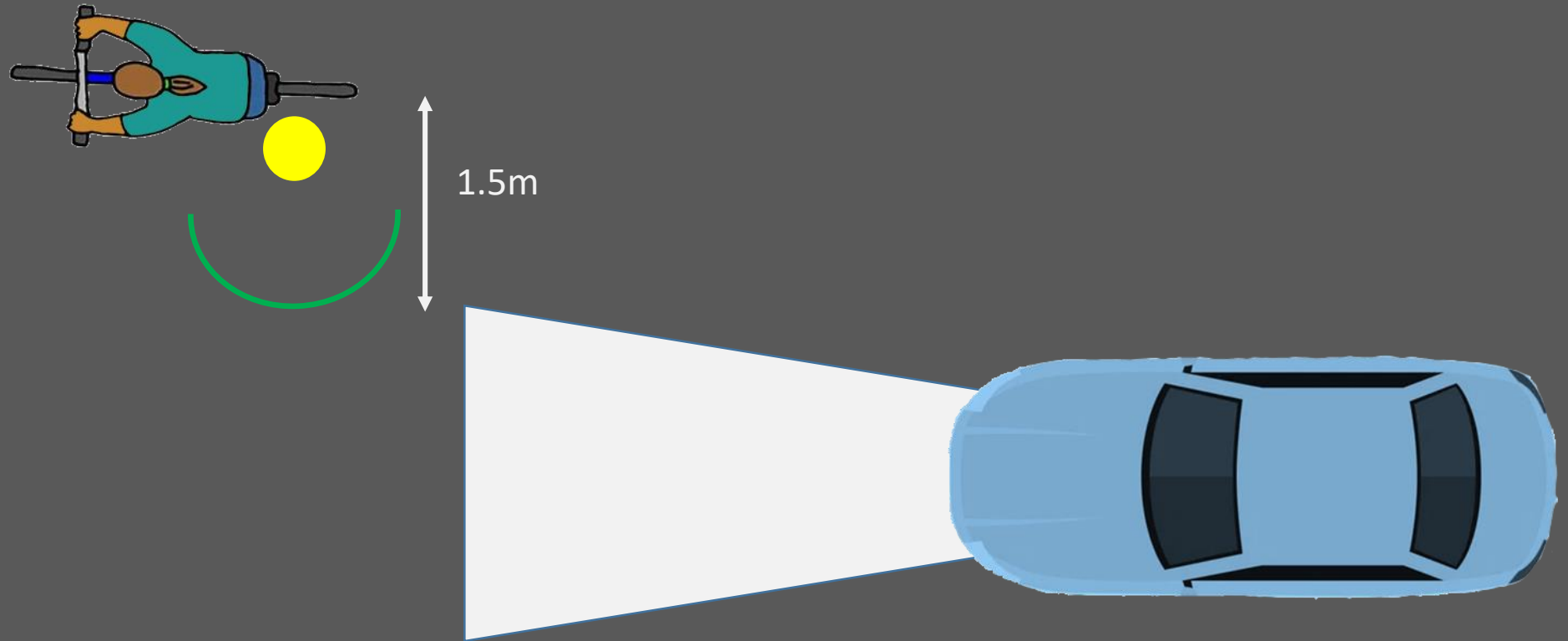
side distance LEDs

rear light

laser projector

Additional warning lights, controlled by integrated ToF-sensor

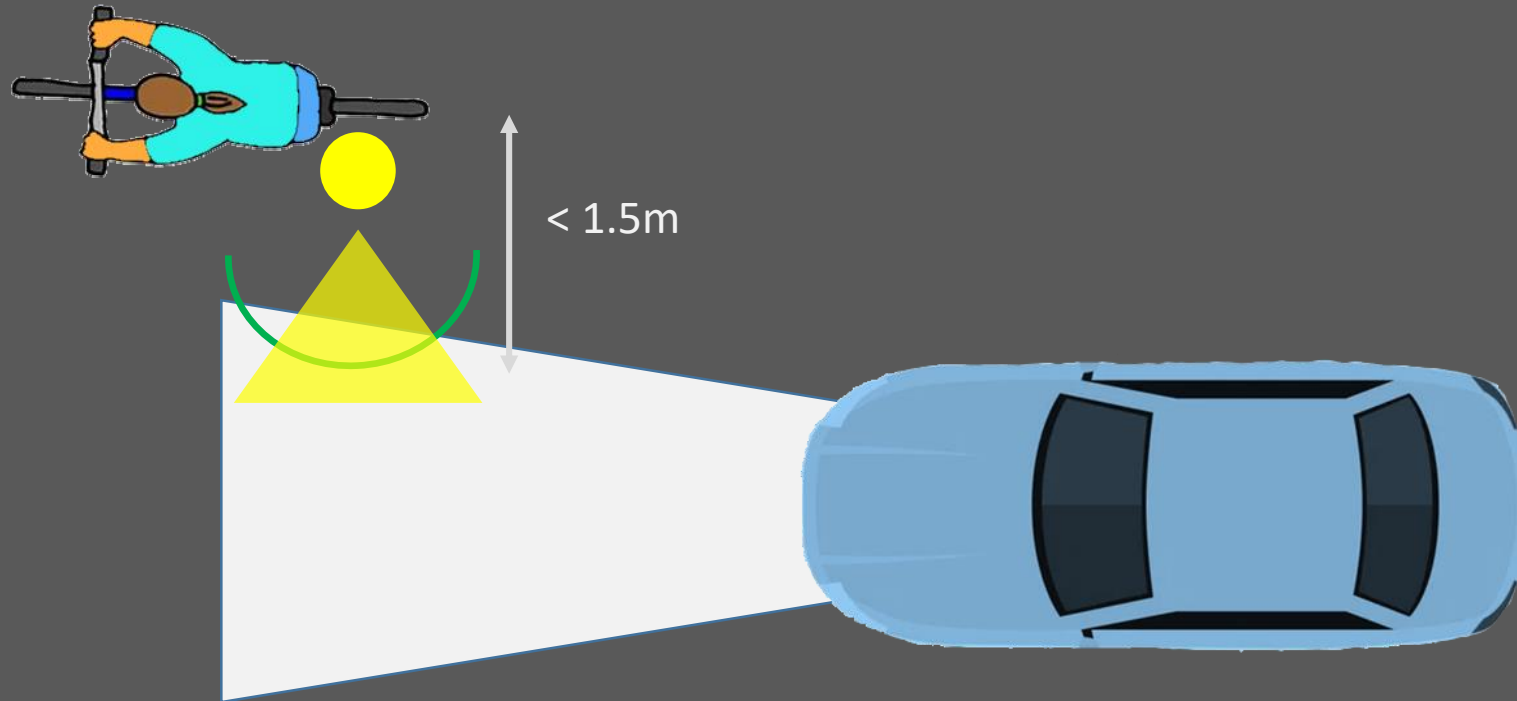
Operating mode



Car driver recognises the required distance as a projection on the road
LEDs show the width of the bi-cycle

[click to start animation](#)

Operating Mode



Additional warning LEDs switch on when the vehicle falls below a horizontal distance of 1.5 m
In addition the bi-cycle driver is brightly illuminated from below

[click to start animation](#)

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