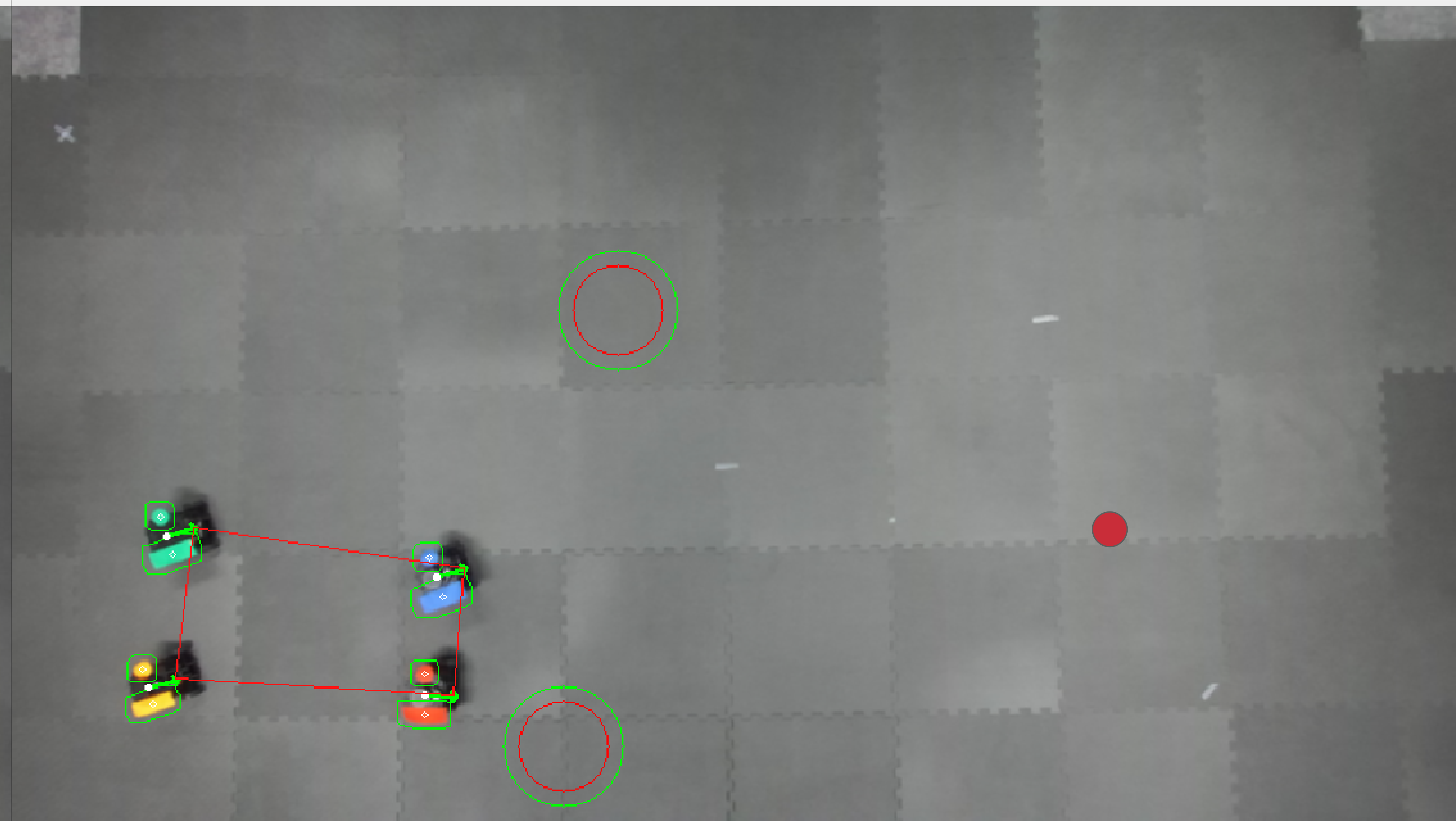


(a) $t = 1 \text{ s}$



(b) $t = 4 \text{ s}$