

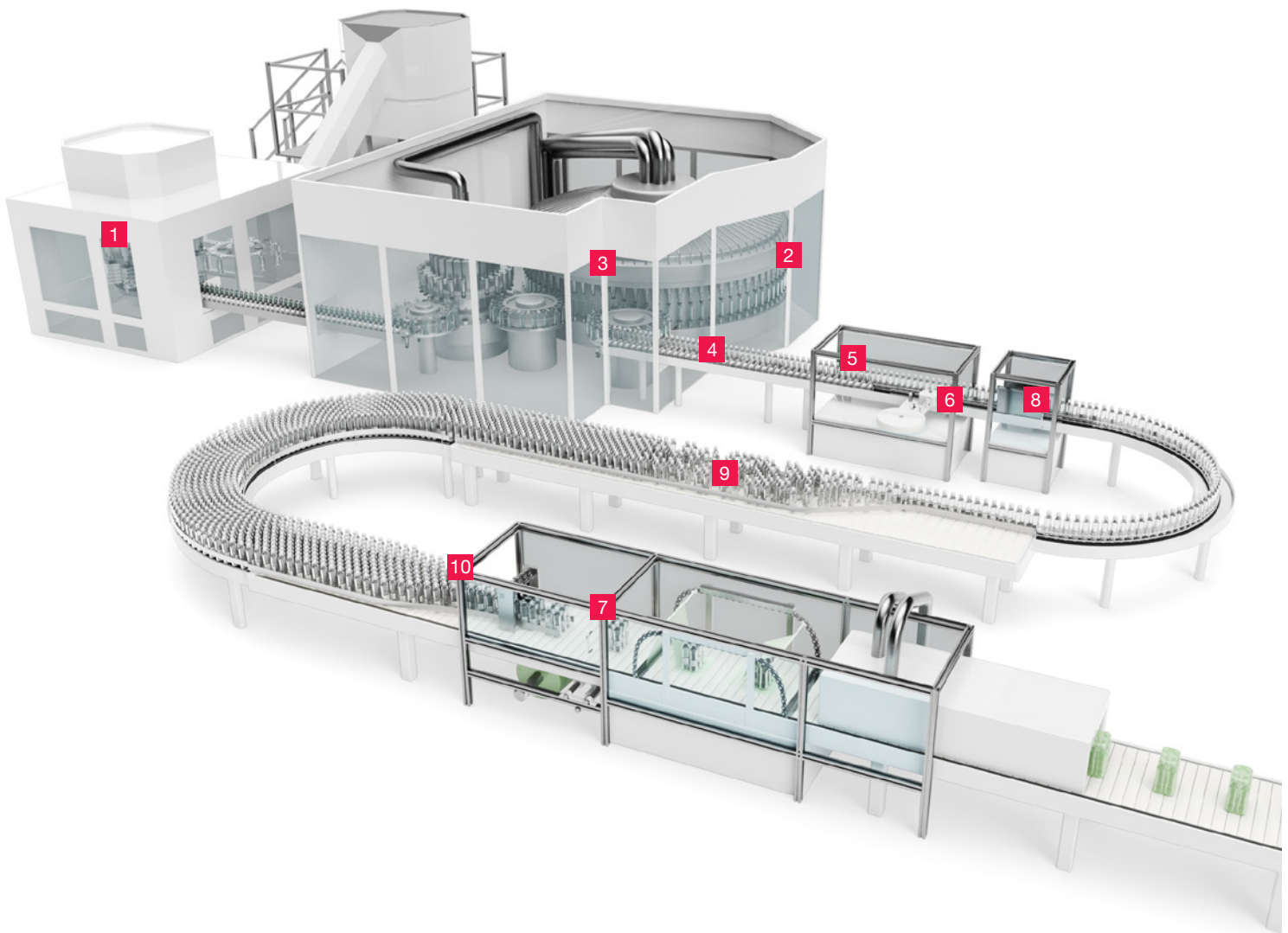
SENSOR SOLUTIONS FOR **BEVERAGE FILLING**

Crystal-clear advantage: Sensitive clear-glass sensors perform their tasks safely and reliably even at extremely fast machine speeds.

In filling machines, liquids are usually filled at extremely high speeds into transparent glass and PET containers. Processes which are performed so quickly that the human eye can no longer perceive them, combined with transparent objects are a particular challenge for sensors used in filling systems.

Highly sensitive clear-glass sensors with a switching frequency of up to 5 kHz are able to detect transparent containers even at extremely

fast throughput speeds. Thanks to our 3C and 18B series clear-glass sensors with their integrated tracking function, system downtimes caused by increasing soiling are a thing of the past. The sensors are designed for use in wet applications. They are watertight and robustly withstand the permanent cleaning processes. The plastic and metal housings with protection classes up to IP 67 and 69K guarantee maximum availability of the system.

**1 Detection of PET preform**

PRK 18B

2 Filling level measurementLS 55 H₂O**3 Presence control of bottle caps**

HT 3C.XL

4 Bottle detection during transport

PRK 3C, 55, 18B

5 Container detection for labeling

PRK 3C.T

6 Cut mark detection

KRT, CRT

7 Door monitoring

MC 300, RD 800

8 Precise detection of positions

PRKL 3C

9 Detection of conveyor load

HTU 318, HTU 418

10 Single track monitoring

IS 218