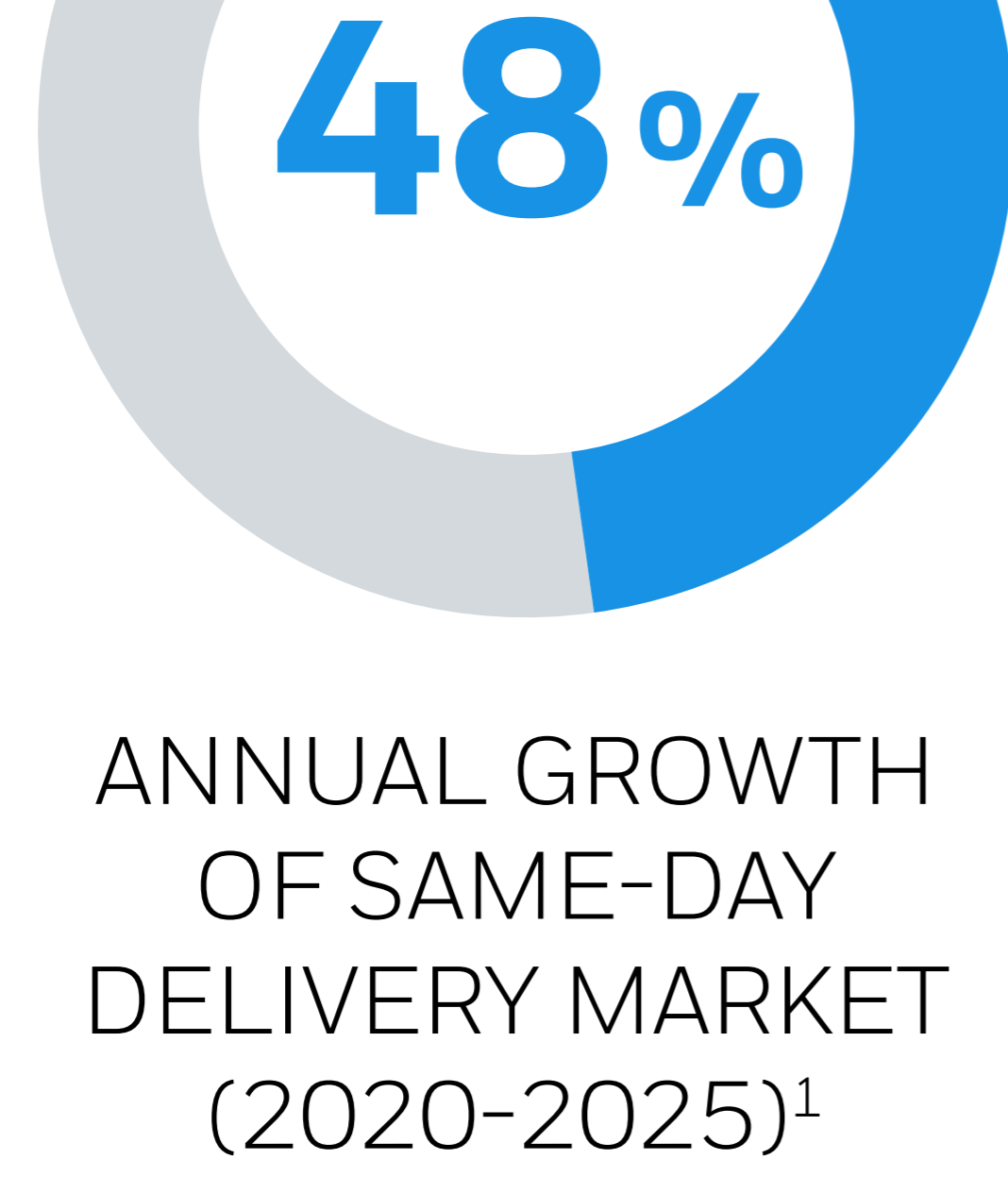
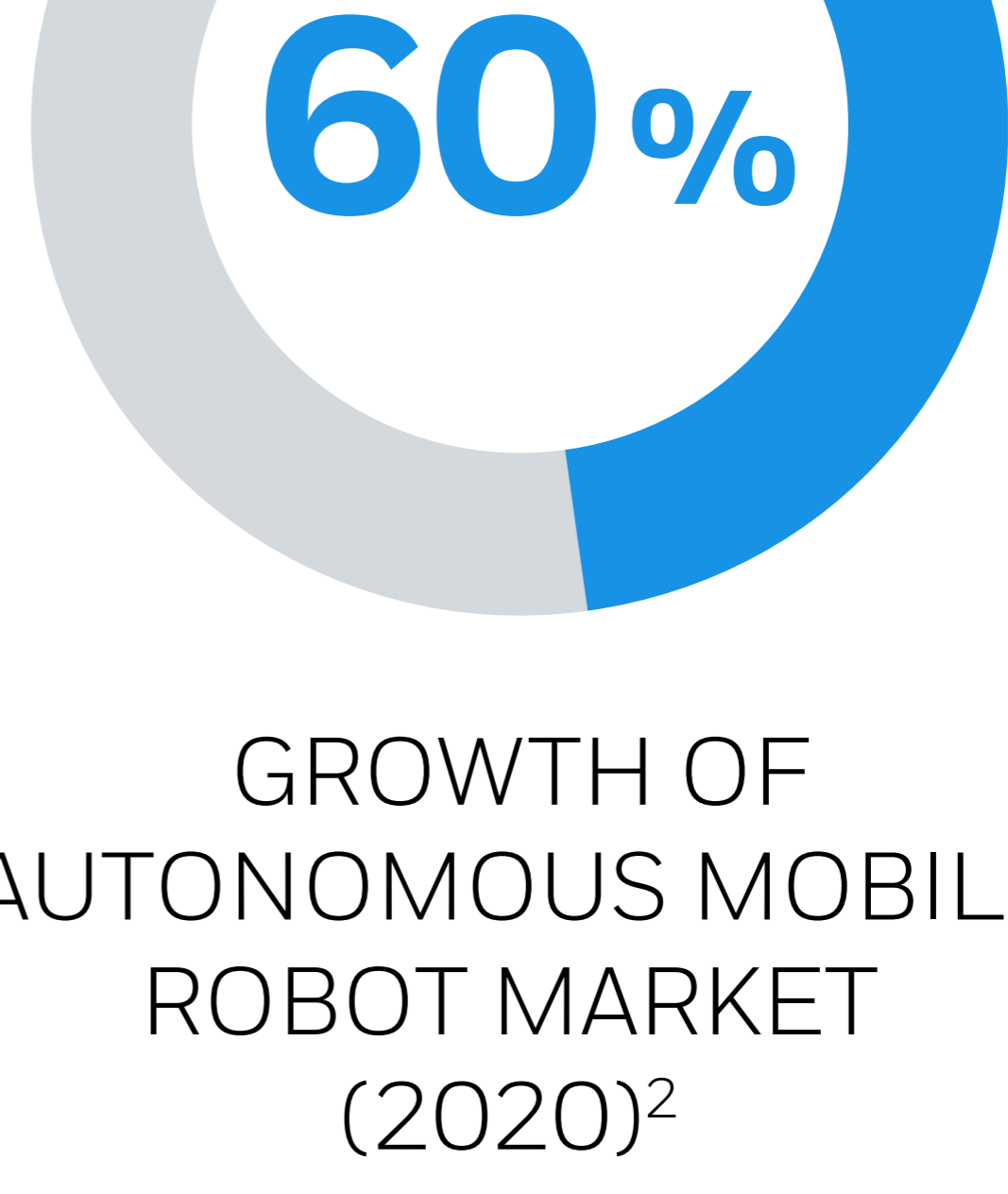


PREVENTING WAREHOUSE FIRES MATTERS, NOW MORE THAN EVER!

FASTER DELIVERIES, BUSIER WAREHOUSES



ANNUAL GROWTH OF SAME-DAY DELIVERY MARKET (2020-2025)¹



GROWTH OF AUTONOMOUS MOBILE ROBOT MARKET (2020)²

GROWTH OF ONLINE ORDERS BY REGION: APRIL 2020 VS APRIL 2019³

1 | SOUTH AMERICA, AFRICA, ME **+200%**

2 | NORTH AMERICA **+135%**

3 | EUROPE **+127%**

4 | APAC **+102%**

FIRES ARE A RISK TO

PEOPLE
EMPLOYEES + PUBLIC

PROPERTY
BUILDINGS + EQUIPMENT + STORED GOODS

PRODUCTIVITY
ON-TIME DELIVERIES + SLA

THE COST OF WAREHOUSE FIRES:⁴

5K
JOBS LOST IN THE UK (2009-2014)

\$833M
IN PROPERTY LOSS IN THE USA (2018)

TOP 5 SOURCES OF WAREHOUSE FIRES⁵

1 | ELECTRICAL EQUIPMENT FAILURE

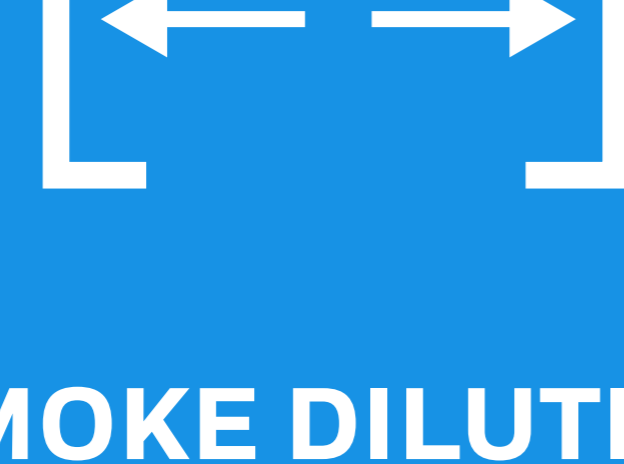
2 | MISHANDLED EQUIPMENT

3 | MECHANICAL EQUIPMENT FAILURE

4 | DISCARDED MATERIAL

5 | HEAT SOURCE

CHALLENGES TO EARLY FIRE DETECTION



SMOKE DILUTION
(OPEN SPACES, HIGH CEILINGS, ETC.)



SMOKE DISPERSION
(HVAC, NATURAL VENTILATION, ETC.)



SMOKE STRATIFICATION
(POOR INSULATION, SOLAR RADIATION, ETC.)



SMOKE OBSTRUCTION
(RACKS, CONVEYORS, AVS, AMRS, ETC.)

THIS IS WHAT VERY-EARLY WARNING DELIVERS⁶

Fire protection system	Activation time	Fire size (kW)
Very-early-warning ASD	1.5 min	100
Optical spot	3.8 min	620
Standard sprinkler	7.2 min	2,200

TO FIND OUT MORE ABOUT THIS TOPIC DOWNLOAD THE ULTIMATE GUIDE TO ADVANCED FIRE DETECTION IN WAREHOUSES: RISKS, REQUIREMENTS, DETECTION OPTIONS HERE.

1 https://www.marketsandmarkets.com/Market-Reports/global-same-day-delivery-market-2020-by-company-region-type-and-application-forecast-to-2025?gclid=EAluQobcHMZrFR8off6UWu3ChOVQRJEMV5AAEgK50P3_BwE
2 <https://www.interactanalysis.com/warehouse-automation-market-off-to-a-strong-start-in-2020/>
3 <https://cointelligence.com/warehouse-automation-market-off-to-a-strong-start-in-2020/>
4 <https://cointelligence.com/economic-impact-of-warehouse-fires/>; <https://www.nfpa.org/-/media/Files/News-and-Research/Fire-statistics-and-reports/US-Fire-Problem/05FireLoss.pdf>
5 <https://www.nfpa.org/-/media/Files/News-and-Research/Fire-statistics-and-reports/Building-and-life-safety/warehouse.pdf>
6 Xtralis, "Benefits of Very Early Warning Fire Detection in Warehouses", 2017 (Doc. 32195-00). Source: https://xtralis.com/library/search_number-32195&msg-login_success.