

Dream guide Company

Deep Learning-Based
Smart Factory Safety Management system
using Digital Blueprints.

DGC

Dream Guide Company

- There were 5,283 fatal work injuries recorded in the United States in 2023.
- A worker died every 99 minutes from a work-related injury in 2023 compared to 96 minutes in 2022.



Number of fatal work injuries by broad occupational group, 2022-23

Source: U.S Bureau of Labor Statistics.

Chart 1. Number of fatal work injuries, 2014-23

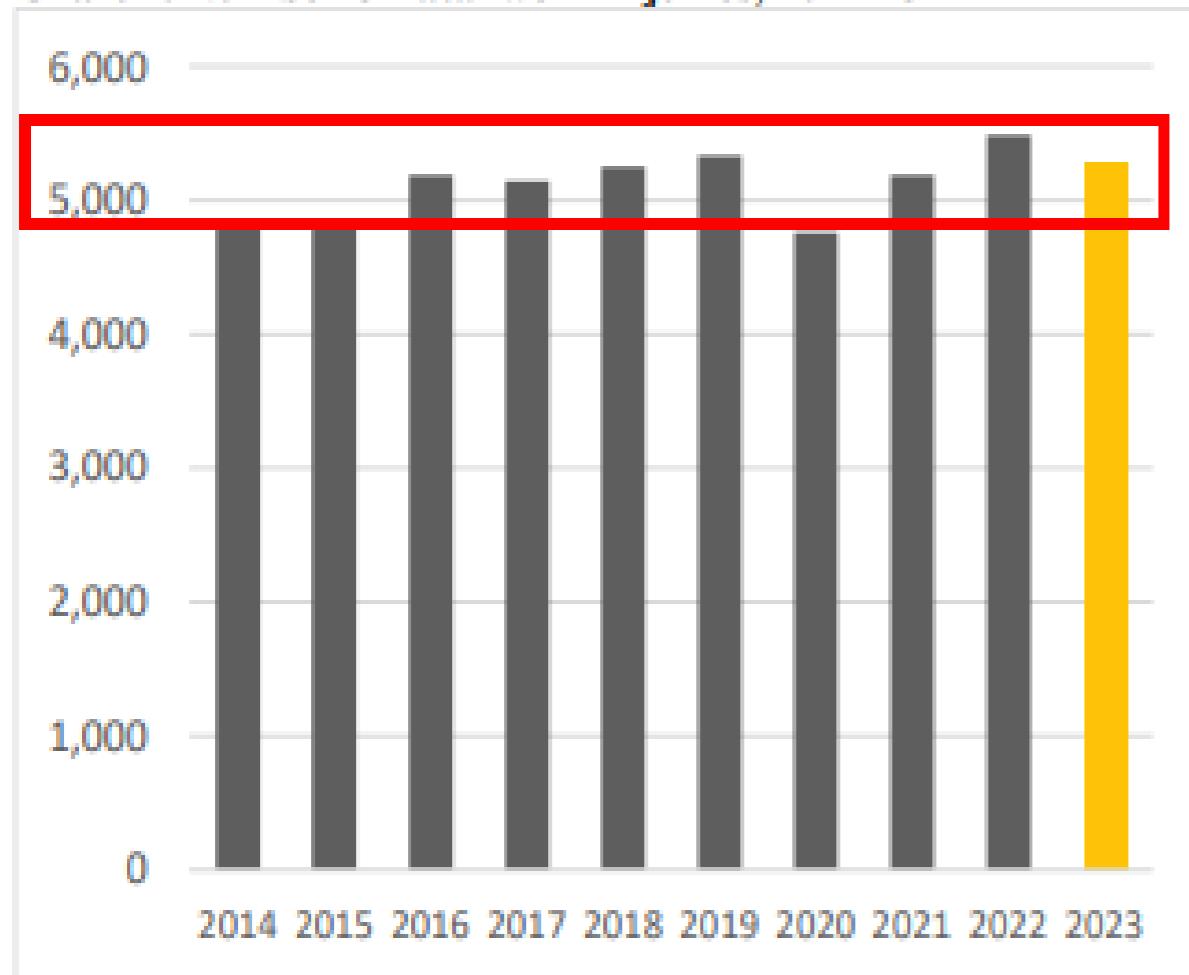
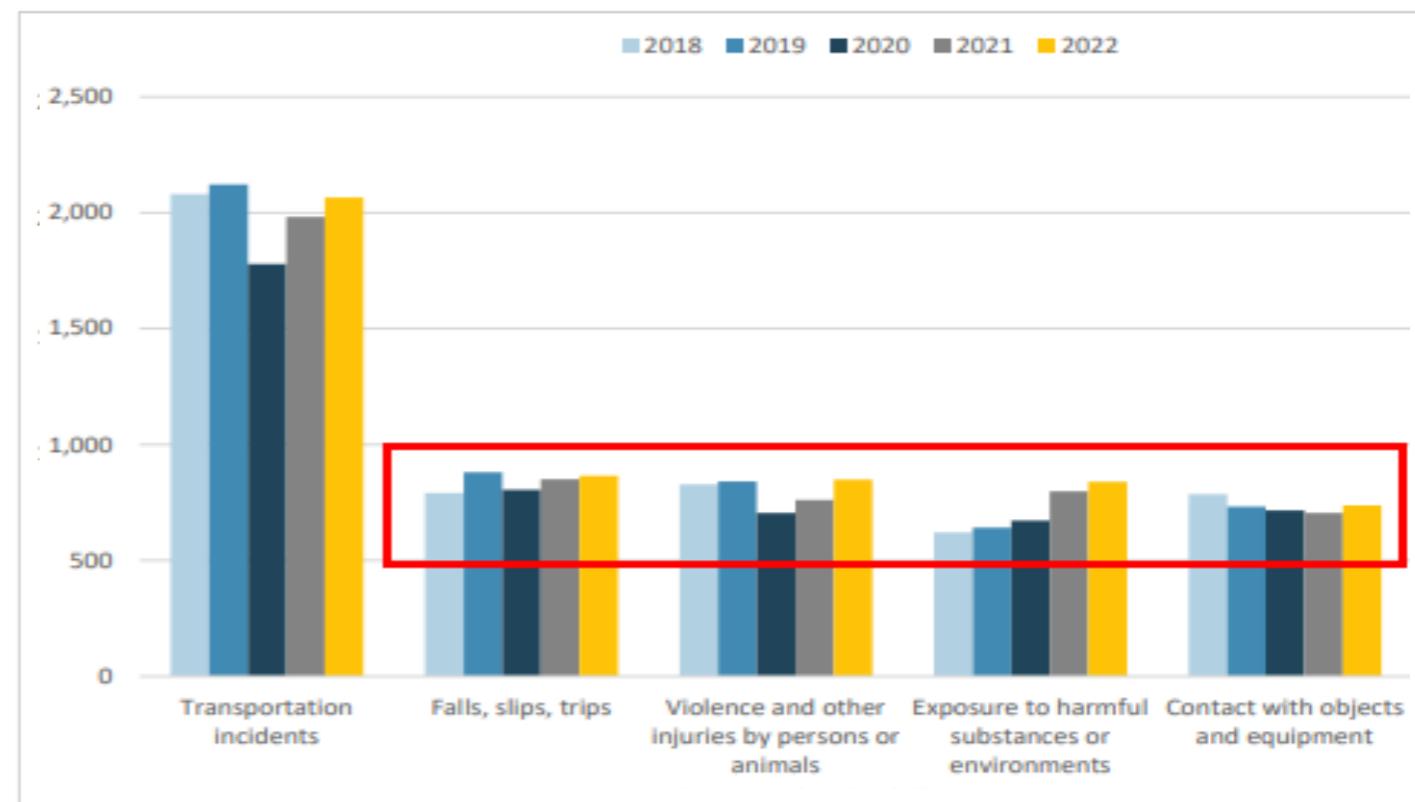


Chart 3. Fatal work injuries by major event or exposure, 2018-22

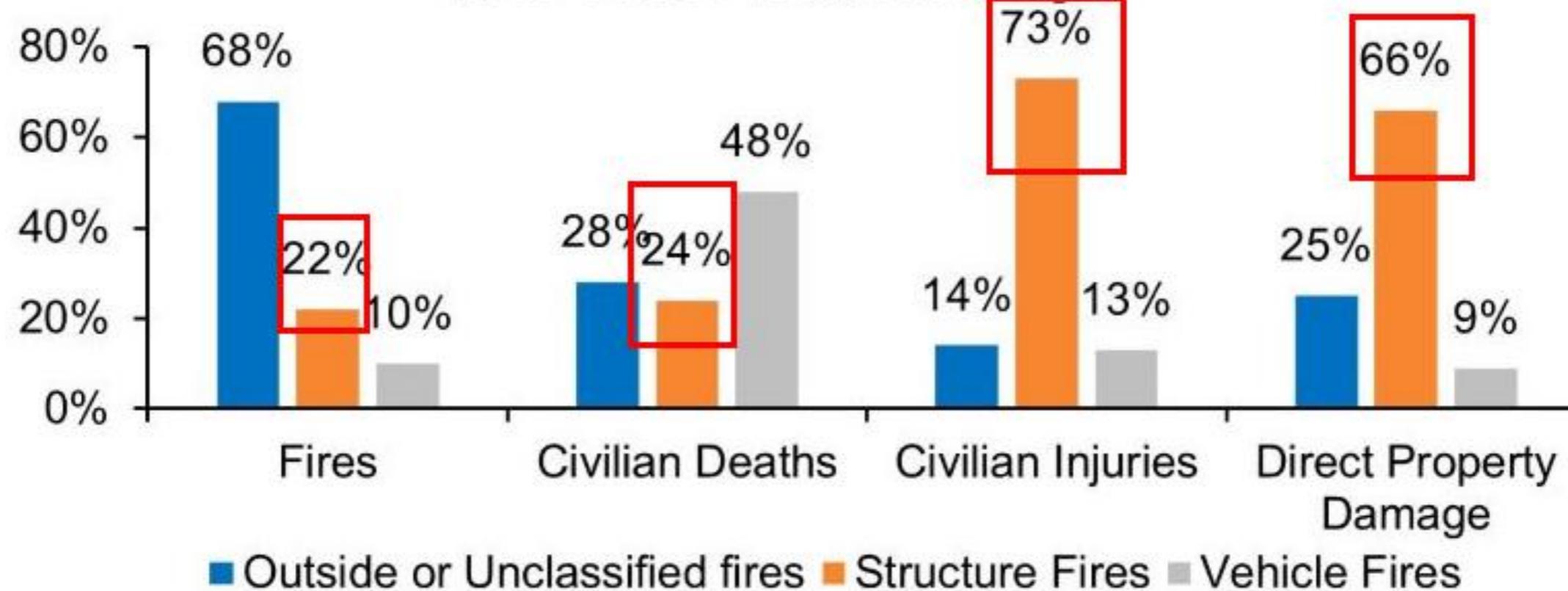


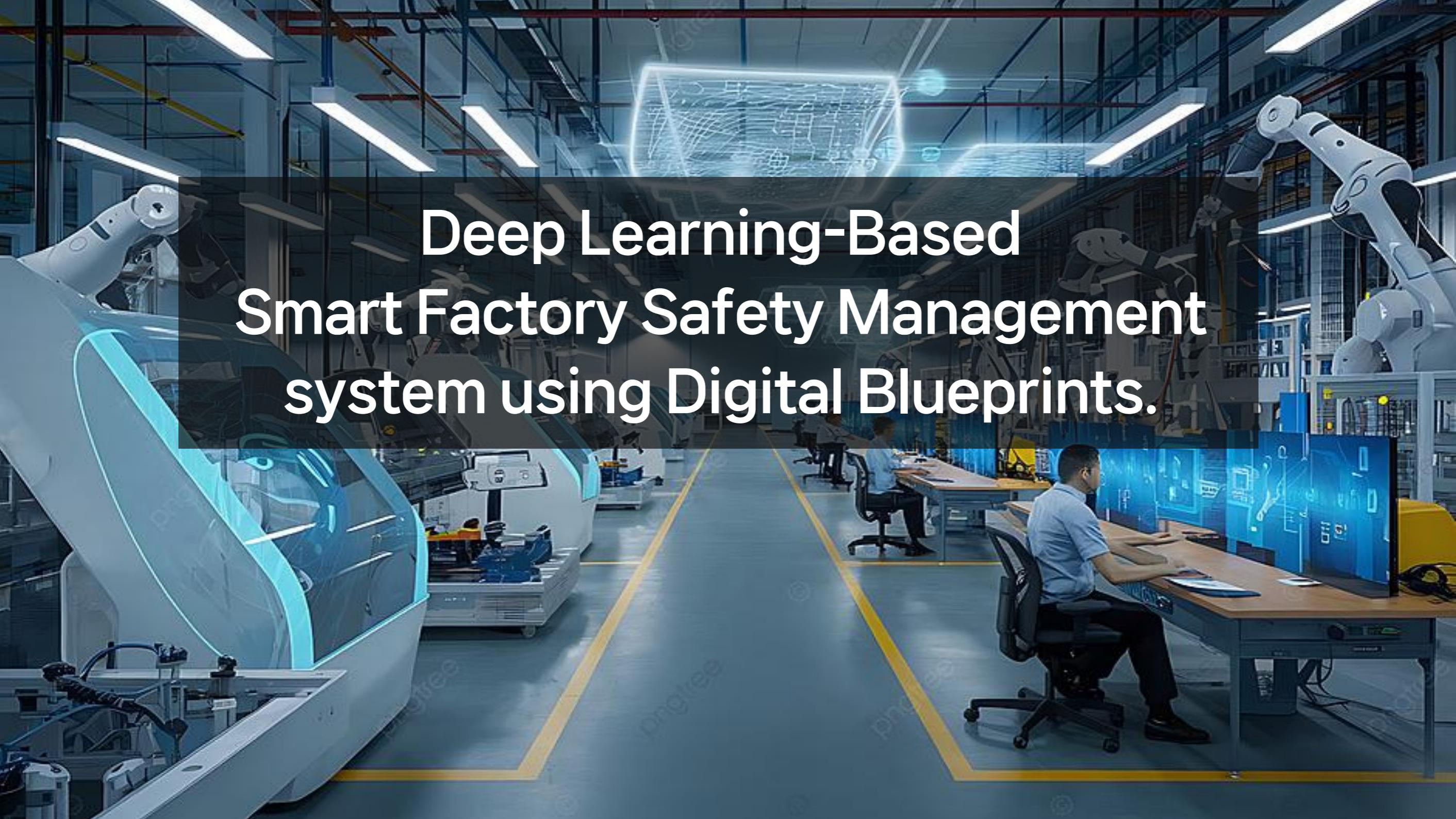
By type of accident, it was analyzed as follows: ▲ Traffic accidents (vehicles, aircraft, ships, etc.) 2066 (37.7%), ▲ Falls, slips, and trips 865 (15.8%), ▲ Violence and injuries caused by people and animals 849 (15.5%), ▲ Exposure to toxic substances and the environment 839 (15.3%), ▲ Contact with objects and equipment 738 (13.5%), etc.

Fires in Industrial or Manufacturing Properties by Incident Type, 2017–2021 Annual Averages

- Source: U.S Bureau of Labor Statistics.

Figure 1. Fires in Industrial or Manufacturing Properties by Incident Type: 2017–2021 Annual Averages





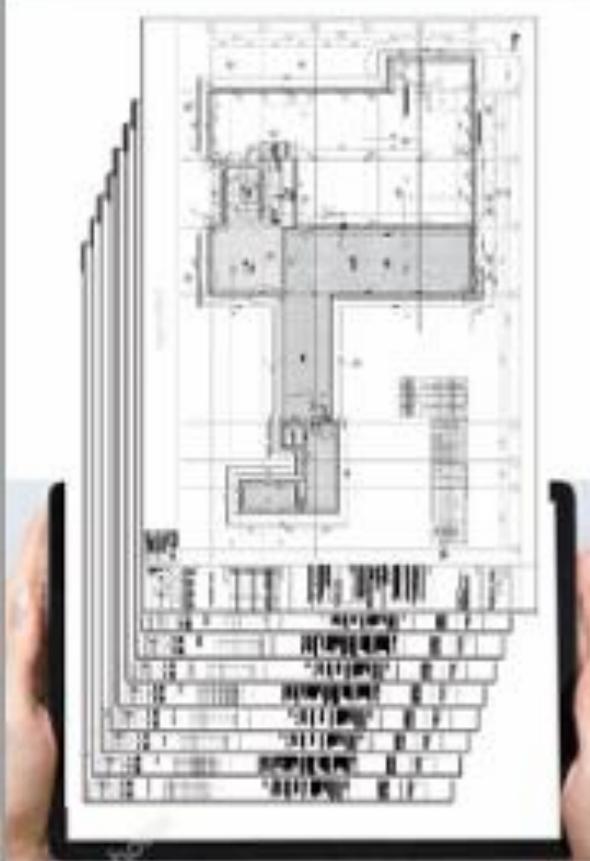
Deep Learning-Based
Smart Factory Safety Management
system using Digital Blueprints.

Digital Blueprints

- Real-Time Management of Facilities, Equipment, and Spaces Using Visualized Digital Blueprints

Facility Management System Powered by Digital Blueprint Technology

Digital Drawing Technology



Digital Matching Technology



Risk management using digital spatial information



Facilities and equipment management for space



Access management and worker risk management



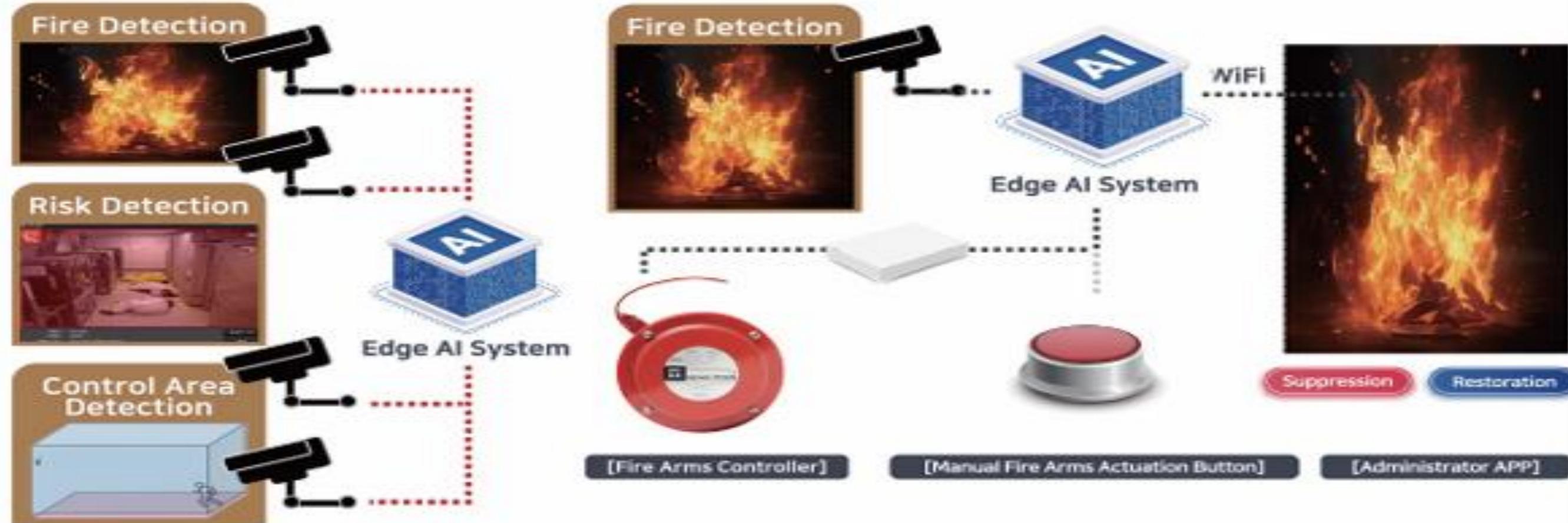
Analysis of different data for each facility



Fire Detection and Suppression System

- Automated Fire Detection and Extinguishing System

AI-Based Fire & Explosion Detection with Remote Suppression



Detection and Management of Worker Hazards in Factories

- ✓ Different kinds of risk detection

Intelligent Hazard Monitoring for Smart Manufacturing

Examples of Field Hazards

[Detection of Indoor and Outdoor Forklift & Car Collision Accidents]



[Detection of Fire, Explosion Incidents, and Machinery Entanglement Accidents]

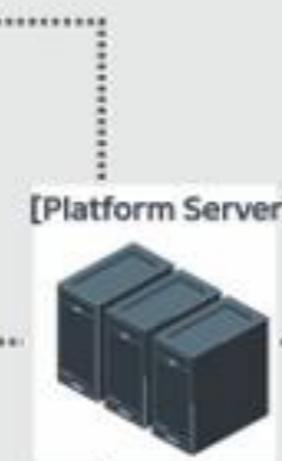


[Detection of Fall and Collapse Accidents]



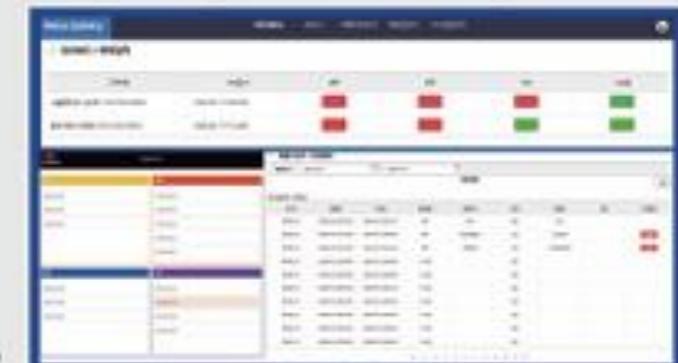
AI-based integrated monitoring system for risk situations

[AI-Based Vision Analysis]



Remote Administrator Detection and Management

[Administrator Web]

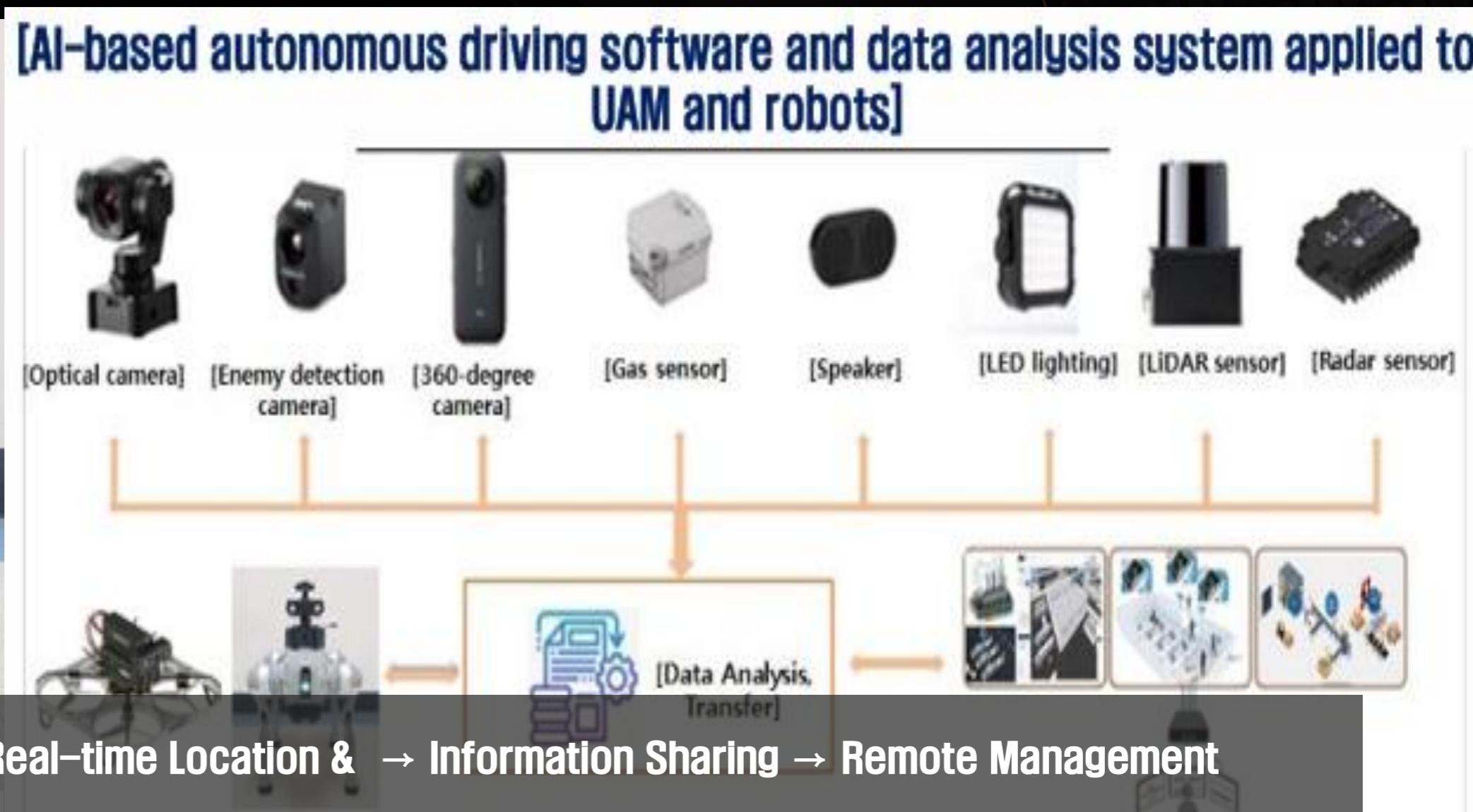


[Provides Smartphone APP Warning notifications]



Improvement of the system

- Smart Security Surveillance System Using AI-Based Autonomous Driving Robot



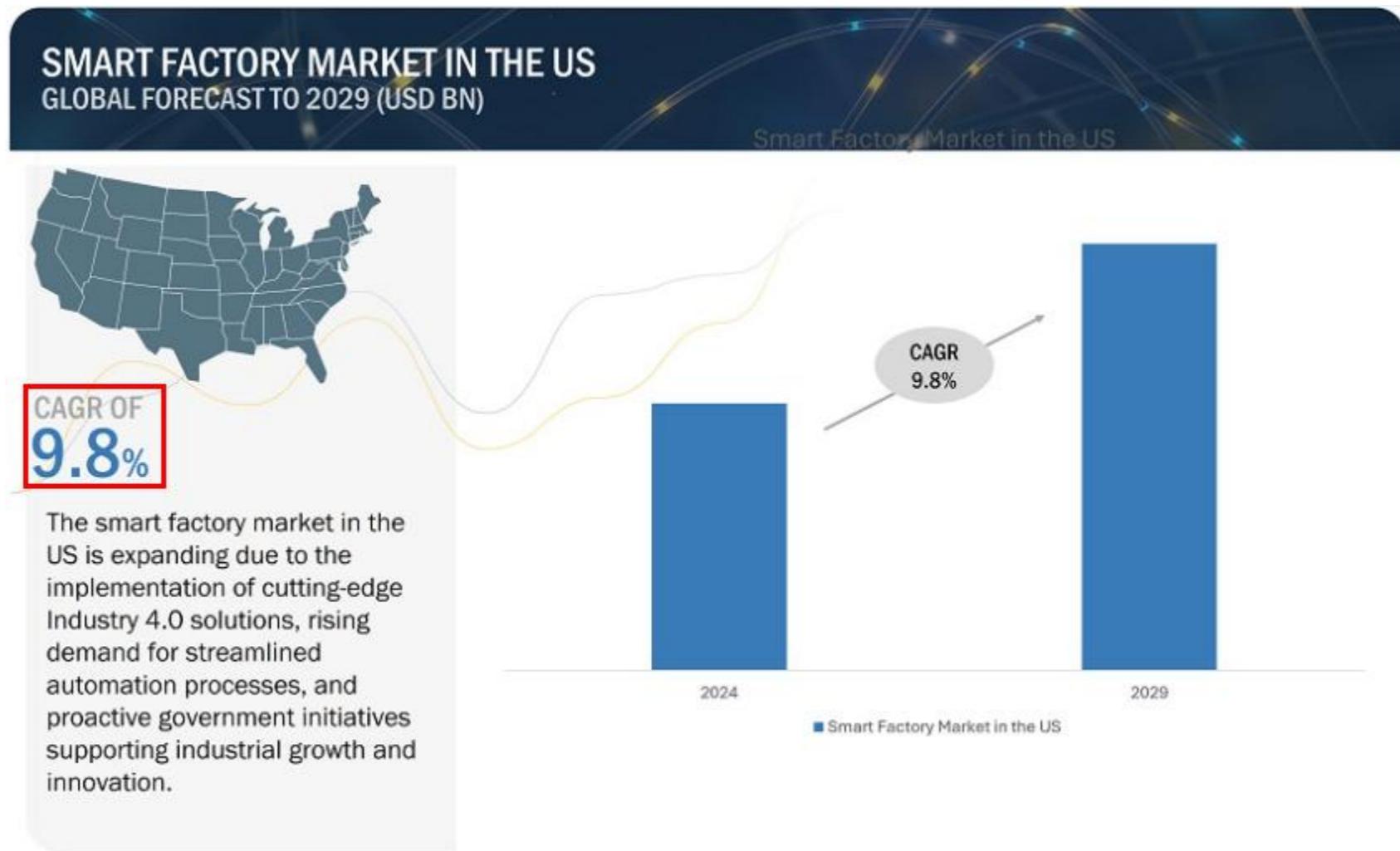


MARKET



Smart Factory Market

✓ America Market



The [Smart factory market in the US](#) is projected to grow from USD 18.8 billion in 2024 to USD 30.1 billion by 2029; it is expected to grow at a CAGR of **9.8%** from 2024 to 2029.

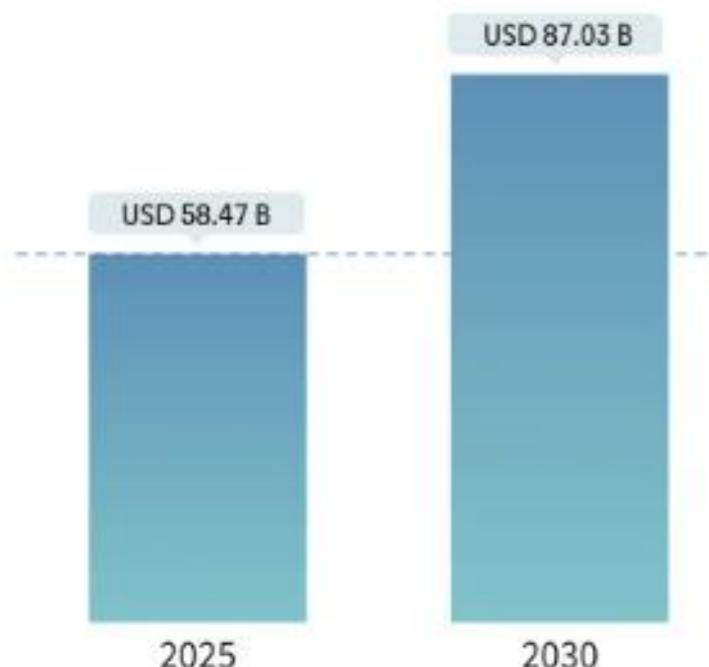
Asia-Pacific Smart Factory Market Size & Share Analysis (2025~2030)

✓ Source : Mordor Intelligence

Asia-Pacific Smart Manufacturing Market

Market Size in USD Billion

CAGR 8.28%



Source : Mordor Intelligence



Market Overview

Study Period	2019 - 2030
Base Year For Estimation	2024
Forecast Data Period	2025 - 2030
Market Size (2025)	USD 58.47 Billion
Market Size (2030)	USD 87.03 Billion
Growth Rate (2025 - 2030)	8.28% CAGR
Market Concentration	Low
Major Players	

The Asia-Pacific Smart Manufacturing Market size is estimated at USD 58.47 billion in 2025, and is expected to reach USD 87.03 billion by 2030, at a CAGR of 8.28% during the forecast period (2025-2030).

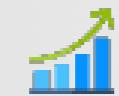
Asia-Pacific Safety Systems Market Size, (2023~2031)

Source : Data Bridge

Asia Pacific Safety Systems Market

Market Size in USD Billion

CAGR : 7.30%



USD 1.90 Billion

USD 1.10 Billion



2023

2031

	Forecast Period	2024 – 2031
	Market Size (Base Year)	USD 1.10 Billion
	Market Size (Forecast Year)	USD 1.90 Billion
	CAGR	7.30 %

The Asia-Pacific safety systems market is projected to grow from USD 1.1 billion in 2023 to USD 1.9 billion by 2031, with a compound annual growth rate (CAGR) of 7.3% over the forecast period from 2023 to 2031.

About Dream Guide Company

Dream Guide Company focuses its efforts on popularization of future-oriented projects that realize values of **human**, **information**, and **sharing economy**.



IoT Safety Management System

Integrated management solution optimized for all types of organizations with safety as well as convenience.



Customized Learning Information

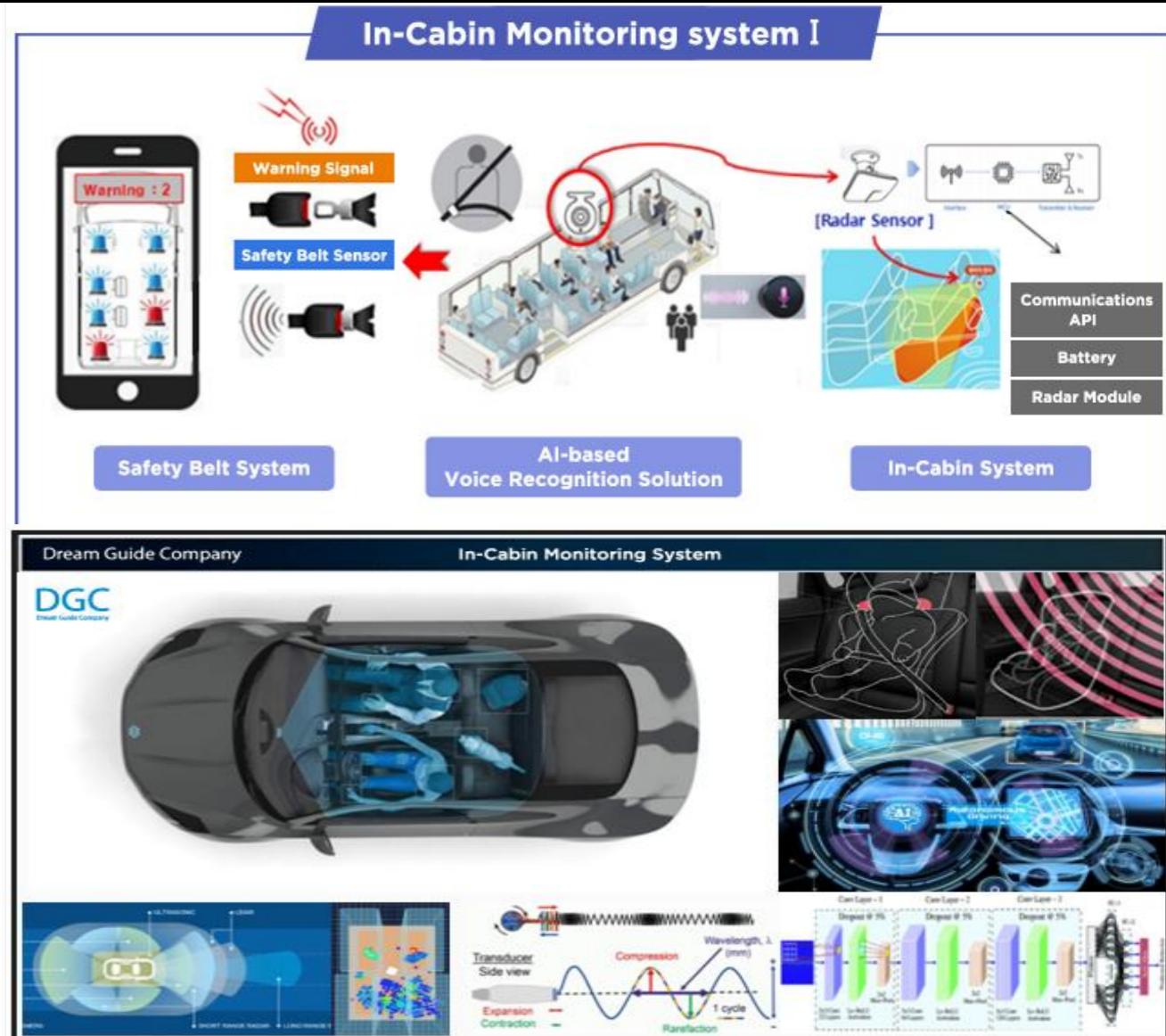
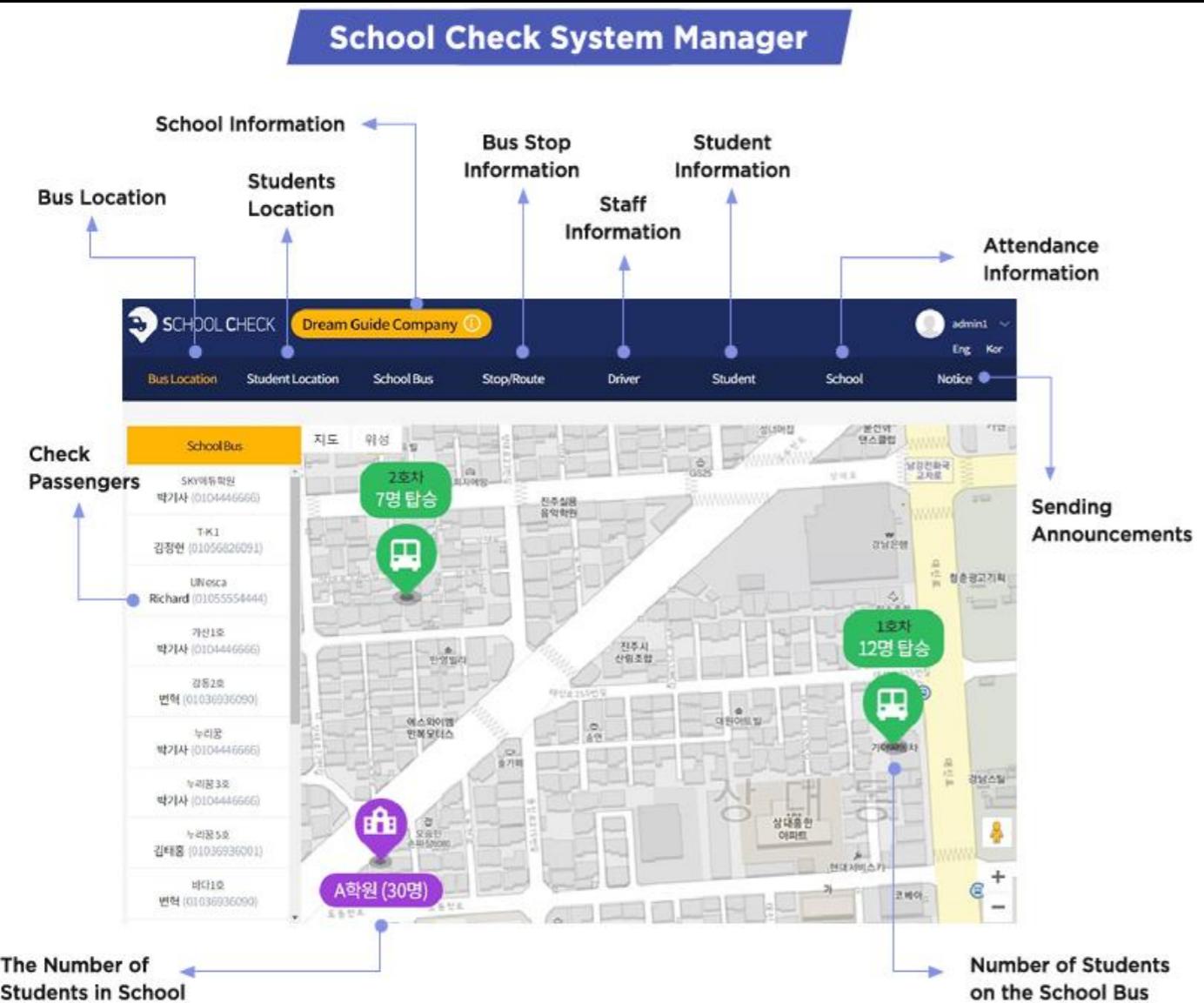
Optimized learning information extracted with data mining is provided at each student's level.



Shared Economy Platform

Integrated management solution optimized for all types of organizations from a safety and convenience perspective.

Dream Guide Company's Project



Dream Guide Company's Project

Smart Factory Solution I



Big Data Processing System



Factory Monitoring System

- AI-based product data analysis and system malfunction rate analysis management system
- Factory monitoring and inventory management system using radar

Smart Factory Solution II



- Quality monitoring system for manufactured parts that are analyzed based on big data.
- A system that detects and analyzes defects in parts by attaching sensors suitable for the characteristics of each process.

PARTNERSHIP



2019. 09
태국 · 미얀마 경
제사절단 및 비
즈니스 파트너십
NP.Groabal,
Next Asia,
Jmm inter와 3
건의 MOU 체결

PARTNERSHIP



Stand Space Confirmation

Koelnmesse GmbH - P.O.Box 21 07 60 - 50532 Köln - Germany

Dream Guide Company
Mr. Kyuchan Byun
189, Seongam-ro
MAPO-GU, SEOUL 03929
REPUBLIC KOREA

Kind + Jugend
The Trade Show for Kids' First Years
19. - 22. September 2019

Dear Mr. Byun,



Date: 11.06.2019
Customer number: 42023885
Order number: 2000192810
Page: 1
Your contact for further inquiries: Bettina Sgattoni
Telephone: + 49 221 821-2510
Fax: + 49 221 821-3283
E-Mail:

2019. 09.
Koeln 전시회
참가

네덜란드 기업
Global chitnis
company 와 사
업화 논의 중.

독일 콜른 유아박람회 / 미국 IoT Tech Exod

Korea IoT Highlights

2019
Korea IoT
Pavilion



디지털타임스

NIPA, 유망 IoT기업 해외진출 돋는다
13~14일 미국서 해외 투자, 10개 기업 솔루션-기술 전시



합모니터링 기술로 캐나다 토론토 공항 관계자와 비즈니스 미팅을 가졌다. 학생 안전관리시스
템을 선보인 드림가이드컴퍼니는 미국 컴퓨터 하드웨어 기업 ASA와 기술협약을 체결했다.

2019. 11.
ASA와 MOU 체
결 및 NDA 협약.

상반기 본 계약
체결예정.

PARTNERSHIP



2022. 두바이. SLDC와 MOU 체결



2022. 인도네시아기업과 MOU 체결



2022. 오만. Enbaar Technology Service와 MOU



2023. MWC전시회 참가

COMPETITIVENESS

➤ 13 International MOUs



[미국 ASA Computers Inc.
2019.11.MOU 체결]



[중국,러시아 교육위원회
UNSEPA와 2019.08MOU]



[태국 N.P.Global Trading. Co.,
2019.09. MOU 체결]



[태국 Next, Asia co.
2019.09. MOU 체결]



[United Nation
초대장(2019.07)]



[캐나다 Avantis International Inc.
2020.11.MOU 체결]



[인도 PIMIT INFOTECH CORP
2020-11- MOU체결]



[일본 UBINT Co., LTD
2020.11. MOU 체결]



[일본 Yui-System Studio Co.,Ltd
2020.11. MOU 체결]



[베트남 Chainos Co.,Ltd
2021.10 MOU 체결]

COMPETITIVENESS

➤ 10 Technology Patents & Venture Business Certification





TEAM

Deam Guide Company

Team



Kyuchan Byun CEO Program planning & Marketing

CEO participated in the planning and development of School Check project, collaborated on various projects with large Korean companies, and is working on AI-related R&D projects with universities and research institutes.



Seongcheol Lim CTO The development team leader

Leader participated in the development of the back-end of School Check and carried out various IoT-related projects while serving as the head of the development team at major development companies in Korea.



Jina Kim Research Director

Director is conducting a smart radar-related research and a screen recognition project through deep learning algorithms that Dream Guide Company is conducting, and is conducting research to apply this technology to the school check service

A wide-angle, low-angle shot of a futuristic factory. The ceiling is a grid of blue panels with integrated linear lights. In the foreground, a large robotic arm with multiple joints and cables is positioned on the left. On the right, a person in a dark suit and white shirt walks along a conveyor belt that moves solar panels. The floor is a complex metal grid. In the background, more robotic arms and industrial structures are visible under a sky filled with glowing blue circuit board patterns.

Thank you.