

Fire Protection System Testing, Inspection, and Certification (TIC) Market by Service Type (Testing, Inspection, Certification), System Type (Fire Alarm Devices, Fire Detection Systems, Sprinkler Systems), Application and Region - Global Forecast to 2028

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Report description:

The global fire protection system testing, inspection, and certification (TIC) market was valued at USD 533 million in 2023 and is projected to reach USD 633 million by 2028; it is expected to register a CAGR of 3.5% during the forecast period. A confluence of factors drives the market. Stringent fire safety regulations and compliance requirements on a global scale necessitate regular TIC services to ensure adherence to safety standards. Growing awareness of fire safety among businesses and individuals prompts proactive measures and increases the demand for TIC services to verify the reliability of fire protection systems. The integration of advanced technologies like IoT and smart sensors into these systems further underscores the need for TIC services to validate their proper operation. Insurance mandates, liability considerations, and a focus on environmental sustainability also contribute to the market's expansion.

The fire suppression system is expected to hold the largest share in the overall fire protection system testing, inspection, and certification (TIC) market

Among the different system types within the Fire Protection System Testing, Inspection, and Certification (TIC) market, fire suppression systems are poised to dominate with the largest market share. These systems, including sprinkler and gas-based suppression systems, play a pivotal role in swiftly and efficiently extinguishing fires, making them integral to fire safety. As a result, the demand for TIC services to verify their proper functioning and adherence to safety standards is robust, establishing fire suppression systems as a cornerstone in the TIC market.

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The mining application segment is expected to grow at a significant growth rate during the forecast period. The mining industry is expected to experience significant growth in the Fire Protection System Testing, Inspection, and Certification (TIC) market due to its inherent high-risk environment, stringent safety regulations, and the critical need to protect valuable assets. Mining operations involve combustible materials, heavy machinery, and remote locations, making them vulnerable to fire hazards. To ensure compliance with safety regulations and safeguard assets, mining companies increasingly rely on TIC services to verify the effectiveness and reliability of their fire protection systems, contributing to the substantial growth potential in this sector.

North America is projected to have a significant growth rate during the forecast period.

Due to several key factors, North America is poised to witness significant growth in the Fire Protection System Testing, Inspection, and Certification (TIC) market. The region's robust industrial infrastructure, stringent fire safety regulations, and heightened awareness of the importance of fire protection contribute to a growing demand for TIC services. Additionally, diverse industries, including manufacturing, healthcare, and commercial real estate, drive the need for regular testing and inspection of fire protection systems to ensure compliance and safety. As North America continues to emphasize fire safety and experiences ongoing construction and infrastructure development, the TIC market is expected to thrive, making it a noteworthy growth area in the global fire protection system TIC market.

Breakdown of profiles of primary participants:

- By Company Type: Tier 1 = 30%, Tier 2 = 50%, and Tier 3 = 20%
- By Designation: C-level Executives = 25%, Directors = 35%, and Others = 40%
- By Region: North America = 35%, Europe = 30%, Asia Pacific = 25%, and Rest of the World = 10%

The major companies in the fire protection system testing, inspection, and certification (TIC) market are SGS SA (Switzerland), Bureau Veritas (France), DEKRA (Germany), TUV SUD (Germany), and TUV Rheinland (Germany).

Research Coverage

The report segments the fire protection system testing, inspection, and certification (TIC) market and forecasts its size, by value, based on region (North America, Europe, Asia Pacific, and Rest of the World), service type (testing, inspection, certification), system type (fire alarm devices, fire detection systems, fire suppression systems, sprinkler systems, card access systems, others), and application (industrial & manufacturing, oil & gas and petroleum, energy & power, supply chain & logistics, data centre, mining, agriculture & forestry, medical & healthcare, construction & infrastructure, others).

The report also comprehensively reviews market drivers, restraints, opportunities, and challenges in the fire protection system testing, inspection, and certification (TIC) market. The report also covers qualitative aspects in addition to the quantitative aspects of these markets.

Reasons to Buy the Report:

- Analysis of key drivers (growing demand for quality and inspection equipment in precision manufacturing, increased need for interoperability testing owing to growing deployment of IoT and connected devices, strict regulatory standards imposed by governments to ensure product safety and environmental protection), restraints (lack of highly skilled calibration and maintenance technicians, high competition due to increased price sensitivity), opportunities (the advent of 5G technology and deployment of LTE and LTE-Advanced (4G) networks), and challenges (built-in self-calibration feature of electrical & electronic instrument) influencing the growth of the fire protection system testing, inspection, and certification (TIC) market.
- Product Development/Innovation: Detailed insights on upcoming technologies, research & development activities, and new product & service launches in the fire protection system testing, inspection, and certification (TIC) market.
- Market Development: Comprehensive information about lucrative markets - the report analyses the fire protection system testing, inspection, and certification (TIC) market across varied regions.
- Market Diversification: Exhaustive information about new products & services, untapped geographies, recent developments, and investments in the fire protection system testing, inspection, and certification (TIC) market.
- Competitive Assessment: In-depth assessment of market shares, growth strategies and service offerings of leading players like SGS SA (Switzerland), Bureau Veritas (France), DEKRA (Germany), TUV SUD (Germany), TUV Rheinland (Germany), DNV GL (Norway), Intertek Group plc (UK), TUV NORD Group (Germany), UL LLC (US), Eurofins Scientific (Luxembourg), Kiwa

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(Netherlands), Api National Service Group (Api NSG) (US), Applus+ (Spain), Element Materials Technology (UK), SAI Global Australia PTY Ltd (Australia), Lloyds Register Group Services Limited (UK), Warringtonfire (Cheshire), Rina S.p.A (Italy), BRE Group (UK), and The British Standards Institution (England).

Table of Contents:

1	INTRODUCTION	34
1.1	STUDY OBJECTIVES	34
1.2	MARKET DEFINITION	35
1.3	STUDY SCOPE	35
1.3.1	MARKETS COVERED	35
FIGURE 1 FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET: SEGMENTATION		
1.3.2	INCLUSIONS AND EXCLUSIONS	36
1.3.3	REGIONAL SCOPE	36
1.3.4	YEARS CONSIDERED	37
1.4	CURRENCY CONSIDERED	37
1.5	LIMITATIONS	37
1.6	STAKEHOLDERS	37
1.7	IMPACT OF RECESSION	38
2	RESEARCH METHODOLOGY	39
2.1	RESEARCH DATA	39
FIGURE 2 FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET: RESEARCH DESIGN		
2.1.1	SECONDARY AND PRIMARY RESEARCH	40
FIGURE 3 FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET: RESEARCH APPROACH		
2.1.2	SECONDARY DATA	42
2.1.2.1	List of major secondary sources	42
2.1.2.2	Key data from secondary sources	42
2.1.3	PRIMARY DATA	43
2.1.3.1	Breakdown of primaries	43
2.1.3.2	Breakdown of primary interviews	43
2.1.3.3	Key industry insights	44
2.1.3.4	Key data from primary sources	44
2.2	MARKET SIZE ESTIMATION	45
2.3	FACTOR ANALYSIS	45
2.3.1	SUPPLY-SIDE ANALYSIS	45
FIGURE 4 MARKET SIZE ESTIMATION METHODOLOGY: APPROACH 1 (SUPPLY-SIDE ANALYSIS) - REVENUES GENERATED BY COMPANIES FROM FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC)		
FIGURE 5 MARKET SIZE ESTIMATION METHODOLOGY: SUPPLY-SIDE ANALYSIS		
2.3.2	DEMAND-SIDE ANALYSIS	47
FIGURE 6 MARKET SIZE ESTIMATION METHODOLOGY: APPROACH 2 (DEMAND-SIDE ANALYSIS) - FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET SHARE IN EACH REGION		
2.3.3	BOTTOM-UP APPROACH	48
2.3.3.1	Approach to estimate market size using bottom-up analysis	48
FIGURE 7 MARKET SIZE ESTIMATION METHODOLOGY: BOTTOM-UP APPROACH		
2.3.4	TOP-DOWN APPROACH	49

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2.3.4.1	Approach to estimate market size using top-down analysis	49
FIGURE 8	MARKET SIZE ESTIMATION METHODOLOGY: TOP-DOWN APPROACH	49
2.4	MARKET BREAKDOWN AND DATA TRIANGULATION	50
FIGURE 9	FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET: DATA TRIANGULATION	50
2.5	RISK ASSESSMENT	51
2.6	RISK FACTOR ANALYSIS	51
2.7	RECESSION IMPACT	51
2.8	RESEARCH ASSUMPTIONS AND LIMITATIONS	52
2.8.1	ASSUMPTIONS	52
2.8.2	LIMITATIONS	53
3	EXECUTIVE SUMMARY	54
FIGURE 10	FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, 2019-2028 (USD MILLION)	55
FIGURE 11	OIL & GAS AND PETROLEUM SEGMENT TO REGISTER HIGHEST CAGR DURING FORECAST PERIOD	55
FIGURE 12	TESTING SEGMENT TO HOLD LARGEST MARKET SHARE DURING FORECAST PERIOD	56
FIGURE 13	SPRINKLER SYSTEMS TO GROW AT FASTEST RATE FROM 2023 TO 2028	56
FIGURE 14	ASIA PACIFIC TO RECORD HIGHEST CAGR DURING FORECAST PERIOD	57
4	PREMIUM INSIGHTS	58
4.1	ATTRACTIVE OPPORTUNITIES FOR PLAYERS IN FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET	58
FIGURE 15	ADVENT OF BUILDING AUTOMATION AND GROWING FIRE SAFETY CONCERNS TO DRIVE MARKET	58
4.2	FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE	58
FIGURE 16	TESTING SEGMENT TO COMMAND LARGEST MARKET SHARE DURING FORECAST PERIOD	58
4.3	FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SYSTEM TYPE	59
FIGURE 17	FIRE SUPPRESSION SYSTEMS SEGMENT TO ACCOUNT FOR LARGEST MARKET SIZE FROM 2023 TO 2028	59
4.4	FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY APPLICATION	59
FIGURE 18	INDUSTRIAL & MANUFACTURING SEGMENT TO HOLD LARGEST MARKET SHARE DURING FORECAST PERIOD	59
4.5	FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY REGION	60
FIGURE 19	MARKET IN ASIA PACIFIC TO RECORD HIGHEST CAGR DURING FORECAST PERIOD	60
5	MARKET OVERVIEW	61
5.1	INTRODUCTION	61
5.2	MARKET DYNAMICS	61
FIGURE 20	FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET: DRIVERS, RESTRAINTS, OPPORTUNITIES, AND CHALLENGES	61
5.2.1	DRIVERS	61
5.2.1.1	Growth of construction industry in urban areas demanding fire protection systems	61
5.2.1.2	Rising number of fire-related material and human losses	62
FIGURE 21	HOME STRUCTURE FIRES IN US, 2011-2020	63
5.2.1.3	Strict government regulations pertaining to fire protection	63
5.2.1.4	Integration of wireless technology into fire detection systems	64
FIGURE 22	ANALYSIS OF IMPACT OF DRIVERS ON TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET	65
5.2.2	RESTRAINTS	65
5.2.2.1	Lack of uniformity in global testing, inspection, and certification standards	65
5.2.2.2	Varying standards across geographies leading to high costs	66
FIGURE 23	ANALYSIS OF IMPACT OF RESTRAINTS ON FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET	67
5.2.3	OPPORTUNITIES	67
5.2.3.1	Growing adoption of water mist systems	67

5.2.3.2	Increasing adoption of foam-based fire detection systems to minimize negative impact on environment	67
5.2.3.3	Growing popularity of IoT-integrated smoke detectors	68
5.2.3.4	Periodic revision of regulatory norms in various countries	68
FIGURE 24	ANALYSIS OF IMPACT OF OPPORTUNITIES ON FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET	69
5.2.4	CHALLENGES	69
5.2.4.1	Slower adoption of advanced technologies by small and medium-sized testing, inspection, and certification companies	69
FIGURE 25	ANALYSIS OF IMPACT OF CHALLENGES ON FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION MARKET	70
5.3	VALUE CHAIN ANALYSIS	71
FIGURE 26	FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET: VALUE CHAIN ANALYSIS	71
5.4	ECOSYSTEM MAPPING	72
TABLE 1	FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET: KEY PLAYERS IN ECOSYSTEM	72
5.5	PRICING ANALYSIS	73
5.5.1	PRICING FOR TIC SERVICES OFFERED BY KEY PLAYERS (USD/HOUR)	73
FIGURE 27	PRICING FOR TIC SERVICES OFFERED BY KEY PLAYERS (USD/HOUR)	73
TABLE 2	PRICING FOR TIC SERVICES OFFERED BY KEY PLAYERS (USD/HOUR)	74
5.6	TRENDS/DISRUPTIONS IMPACTING CUSTOMER BUSINESS	74
FIGURE 28	REVENUE SHIFTS AND NEW REVENUE POCKETS FOR PLAYERS IN FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND INSPECTION MARKET	74
5.7	TECHNOLOGY ANALYSIS	75
5.7.1	INTERNET OF THINGS (IOT)	75
5.7.2	CLOUD-BASED SOLUTIONS	75
5.7.3	VIDEO IMAGE SMOKE AND FLAME DETECTION SYSTEMS	75
5.7.4	ARTIFICIAL INTELLIGENCE	76
5.7.5	AUTOMATION TESTING TECHNOLOGY	76
TABLE 3	MAJOR TRENDS IN FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET	76
5.8	PORTER'S FIVE FORCES ANALYSIS	77
FIGURE 29	FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET: PORTER'S FIVE FORCES ANALYSIS	77
FIGURE 30	IMPACT ANALYSIS OF PORTER'S FIVE FORCES	78
TABLE 4	FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET: DEGREE OF COMPETITION	78
5.8.1	INTENSITY OF COMPETITIVE RIVALRY	78
5.8.2	THREAT OF SUBSTITUTES	79
5.8.3	BARGAINING POWER OF SUPPLIERS	79
5.8.4	BARGAINING POWER OF BUYERS	79
5.8.5	THREAT OF NEW ENTRANTS	79
5.9	KEY STAKEHOLDERS AND BUYING CRITERIA	80
5.9.1	KEY STAKEHOLDERS IN BUYING PROCESS	80
FIGURE 31	INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP 3 APPLICATIONS	80
TABLE 5	INFLUENCE OF STAKEHOLDERS ON BUYING PROCESS FOR TOP 3 APPLICATIONS	80
5.9.2	BUYING CRITERIA	81
FIGURE 32	KEY BUYING CRITERIA FOR TOP 3 APPLICATIONS	81
TABLE 6	KEY BUYING CRITERIA, BY APPLICATION	81
5.10	CASE STUDY ANALYSIS	82
5.10.1	TESTING, INSPECTION, AND CERTIFICATION SERVICES FOR ENERGY INDUSTRY	82
TABLE 7	APPLUS+ RTD IMPROVES FIELD SERVICE DELIVERY FOR ENERGY INDUSTRY WITH MOBILE REACH PLATFORM	82

5.10.2 TESTING, INSPECTION, AND CERTIFICATION SERVICES FOR OFFSHORE WIND ENERGY 83

TABLE 8 LLOYD OFFERED COMPREHENSIVE DESIGN APPRAISAL AND CERTIFICATION SERVICES FOR TENNET'S OFFSHORE SUBSTATION 83

5.11 TRADE ANALYSIS 84

FIGURE 33 IMPORT DATA FOR PRODUCTS COVERED UNDER HS CODE 853110, BY COUNTRY, 2018-2022 (USD MILLION) 84

FIGURE 34 EXPORT DATA FOR PRODUCTS COVERED UNDER HS CODE 853110, BY COUNTRY, 2018-2022 (USD MILLION) 85

5.12 PATENT ANALYSIS 85

FIGURE 35 MAJOR PATENT APPLICANTS AND OWNERS, 2013-2022 86

FIGURE 36 GEOGRAPHICAL ANALYSIS OF PATENTS GRANTED FOR FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) SERVICES, 2013-2022 87

TABLE 9 LIST OF FEW PATENTS IN FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION MARKET, 2020-2022 87

5.13 KEY CONFERENCES & EVENTS, 2023-2024 89

TABLE 10 FIRE PROTECTION SYSTEM MARKET: DETAILED LIST OF CONFERENCES & EVENTS 89

5.14 REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS 90

TABLE 11 NORTH AMERICA: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS 90

TABLE 12 EUROPE: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS 90

TABLE 13 ASIA PACIFIC: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS 91

TABLE 14 ROW: LIST OF REGULATORY BODIES, GOVERNMENT AGENCIES, AND OTHER ORGANIZATIONS 91

5.15 REGULATORY LANDSCAPE 92

5.15.1 CODES AND STANDARDS RELATED TO FIRE PROTECTION SYSTEMS 92

TABLE 15 CODES AND STANDARDS RELATED TO FIRE DETECTION 92

TABLE 16 CODES AND STANDARDS RELATED TO FIRE SUPPRESSION 94

6 FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE 96

6.1 INTRODUCTION 97

FIGURE 37 FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE 97

TABLE 17 FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2019-2022 (USD MILLION) 98

FIGURE 38 TESTING SERVICES SEGMENT TO CAPTURE LARGEST SHARE OF FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET DURING FORECAST PERIOD 98

TABLE 18 FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC), BY SERVICE TYPE, 2023-2028 (USD MILLION) 99

6.2 TESTING 99

6.2.1 INCREASING ADOPTION OF BUILDING AUTOMATION TECHNOLOGY TO INDUCE DEMAND FOR TESTING SERVICES 99

TABLE 19 TESTING: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SYSTEM TYPE, 2019-2022 (USD MILLION) 100

TABLE 20 TESTING: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SYSTEM TYPE, 2023-2028 (USD MILLION) 100

TABLE 21 TESTING: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY APPLICATION, 2019-2022 (USD MILLION) 101

TABLE 22 TESTING: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 101

TABLE 23 TESTING: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY REGION, 2019-2022 (USD MILLION) 102

TABLE 24 TESTING: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY REGION, 2023-2028 (USD MILLION) 102

6.3 INSPECTION 103

6.3.1 EMERGENCE OF NEW PRACTICES LIKE VIRTUAL INSPECTIONS TO GENERATE DEMAND FOR INSPECTION SERVICES 103

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TABLE 25	INSPECTION: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SYSTEM TYPE, 2019-2022 (USD MILLION)	103
TABLE 26	INSPECTION: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SYSTEM TYPE, 2023-2028 (USD MILLION)	104
TABLE 27	INSPECTION: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY APPLICATION, 2019-2022 (USD MILLION)	104
TABLE 28	INSPECTION: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY APPLICATION, 2023-2028 (USD MILLION)	105
TABLE 29	INSPECTION: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY REGION, 2019-2022 (USD MILLION)	105
TABLE 30	INSPECTION: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY REGION, 2023-2028 (USD MILLION)	106
6.4	CERTIFICATION	106
6.4.1	GROWING CONSUMER AWARENESS OF PRODUCT QUALITY AND SAFETY TO BOOST DEMAND FOR CERTIFICATION SERVICES	106
TABLE 31	CERTIFICATION: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SYSTEM TYPE, 2019-2022 (USD MILLION)	107
TABLE 32	CERTIFICATION: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SYSTEM TYPE, 2023-2028 (USD MILLION)	107
TABLE 33	CERTIFICATION: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY APPLICATION, 2019-2022 (USD MILLION)	108
TABLE 34	CERTIFICATION: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY APPLICATION, 2023-2028 (USD MILLION)	108
TABLE 35	CERTIFICATION: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY REGION, 2019-2022 (USD MILLION)	109
TABLE 36	CERTIFICATION: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY REGION, 2023-2028 (USD MILLION)	109
7	FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SYSTEM TYPE	110
7.1	INTRODUCTION	111
FIGURE 39	FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SYSTEM TYPE	111
TABLE 37	FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SYSTEM TYPE, 2019-2022 (USD MILLION)	112
FIGURE 40	FIRE SUPPRESSION SYSTEMS TO CAPTURE LARGEST SHARE OF FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET DURING FORECAST PERIOD	112
TABLE 38	FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC), BY SYSTEM TYPE, 2023-2028 (USD MILLION)	113
7.2	FIRE ALARM DEVICES	113
7.2.1	PROVIDE EARLY WARNING IN EVENT OF FIRES	113
TABLE 39	FIRE ALARM DEVICES: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2019-2022 (USD MILLION)	114
TABLE 40	FIRE ALARM DEVICES: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2023-2028 (USD MILLION)	114
?		
7.3	FIRE DETECTION SYSTEMS	114
7.3.1	DETECT PRESENCE OF FIRE, SMOKE, OR HEAT WITHIN BUILDINGS OR FACILITIES	114
TABLE 41	FIRE DETECTION SYSTEMS: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2019-2022 (USD MILLION)	115

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TABLE 42	FIRE DETECTION SYSTEMS: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2023-2028 (USD MILLION)	115
7.4	FIRE SUPPRESSION SYSTEMS	116
7.4.1	PREVENT SPREAD OF FIRE	116
TABLE 43	FIRE SUPPRESSION SYSTEMS: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2019-2022 (USD MILLION)	116
TABLE 44	FIRE SUPPRESSION SYSTEMS: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2023-2028 (USD MILLION)	117
7.5	SPRINKLER SYSTEMS	117
7.5.1	AID IN SAFE EVACUATION BY RESPONDING SELECTIVELY TO SPECIFIC FIRE LOCATIONS	117
TABLE 45	SPRINKLER SYSTEMS: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2019-2022 (USD MILLION)	118
TABLE 46	SPRINKLER SYSTEMS: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2023-2028 (USD MILLION)	118
7.6	CARD ACCESS SYSTEMS	119
7.6.1	REDUCE RISK OF HUMAN ERROR IN FIRE PROTECTION SYSTEMS	119
TABLE 47	CARD ACCESS SYSTEMS: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2019-2022 (USD MILLION)	119
TABLE 48	CARD ACCESS SYSTEMS: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2023-2028 (USD MILLION)	119
7.7	OTHERS	120
TABLE 49	OTHERS: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2019-2022 (USD MILLION)	120
TABLE 50	OTHERS: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2023-2028 (USD MILLION)	120
8	FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY APPLICATION	121
8.1	INTRODUCTION	122
FIGURE 41	FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY APPLICATION	122
TABLE 51	FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY APPLICATION, 2019-2022 (USD MILLION)	123
FIGURE 42	INDUSTRIAL & MANUFACTURING SEGMENT TO COMMAND LARGEST SHARE OF FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET DURING FORECAST PERIOD	124
TABLE 52	FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY APPLICATION, 2023-2028 (USD MILLION)	124
8.2	INDUSTRIAL & MANUFACTURING	125
8.2.1	COMPLEXITY OF FIRE HAZARDS IN MANUFACTURING AND INDUSTRIAL SECTORS TO BOOST NEED FOR STRICT FIRE PROTECTION MEASURES	125
TABLE 53	INDUSTRIAL & MANUFACTURING: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2019-2022 (USD MILLION)	126
TABLE 54	INDUSTRIAL & MANUFACTURING: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2023-2028 (USD MILLION)	126
8.3	OIL & GAS AND PETROLEUM	127
8.3.1	HIGH RISK OF ACCIDENTS AND RELIABILITY NEEDS IN OIL, GAS, AND PETROLEUM OPERATIONS TO BOOST DEMAND FOR FIRE PROTECTION TIC SERVICES	127
TABLE 55	OIL & GAS AND PETROLEUM: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2019-2022 (USD MILLION)	127

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TABLE 56 OIL & GAS AND PETROLEUM: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2023-2028 (USD MILLION) 128

8.4 ENERGY & POWER 128

8.4.1 HIGH RISK OF FIRE ASSOCIATED WITH ENERGY CREATION, DISTRIBUTION, AND CONSUMPTION TO CREATE DEMAND FOR TIC SERVICES 128

TABLE 57 ENERGY & POWER: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2019-2022 (USD MILLION) 129

TABLE 58 ENERGY & POWER: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2023-2028 (USD MILLION) 129

8.5 SUPPLY CHAIN & LOGISTICS 129

8.5.1 MANDATORY REQUIREMENT FOR FIRE PROTECTION SYSTEMS IN LOGISTICS INDUSTRY TO DRIVE MARKET 129

TABLE 59 SUPPLY CHAIN & LOGISTICS: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2019-2022 (USD MILLION) 130

TABLE 60 SUPPLY CHAIN & LOGISTICS: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2023-2028 (USD MILLION) 130

8.6 DATA CENTER 131

8.6.1 HIGH DATA FLOW AND INCREASED POWER DENSITY OF SERVERS TO INDUCE DEMAND FOR FIRE PROTECTION TIC SERVICES 131

TABLE 61 DATA CENTER: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2019-2022 (USD MILLION) 131

TABLE 62 DATA CENTER: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2023-2028 (USD MILLION) 132

8.7 MINING 132

8.7.1 NEED TO PREVENT FIRE HAZARDS IN MINING OPERATIONS POSED BY FLAMMABLE MATERIALS TO DRIVE DEMAND FOR TIC SERVICES 132

TABLE 63 MINING: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2019-2022 (USD MILLION) 132

TABLE 64 MINING: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2023-2028 (USD MILLION) 133

8.8 AGRICULTURE & FORESTRY 133

8.8.1 NEED TO MANAGE RISK OF WILDFIRES IN REMOTE AGRICULTURAL AND FORESTRY OPERATIONS TO DRIVE MARKET 133

TABLE 65 AGRICULTURE & FORESTRY: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2019-2022 (USD MILLION) 134

TABLE 66 AGRICULTURE & FORESTRY: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2023-2028 (USD MILLION) 134

?

8.9 MEDICAL & HEALTHCARE 134

8.9.1 FOCUS ON MAINTAINING SAFE ENVIRONMENT IN HEALTHCARE FACILITIES TO DRIVE ADOPTION OF FIRE PROTECTION SYSTEM TIC SERVICES 134

TABLE 67 MEDICAL & HEALTHCARE: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2019-2022 (USD MILLION) 135

TABLE 68 MEDICAL & HEALTHCARE: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2023-2028 (USD MILLION) 135

8.10 CONSTRUCTION & INFRASTRUCTURE 135

8.10.1 NEED TO ENSURE SAFETY AND RELIABILITY OF BUILDINGS AND INFRASTRUCTURE PROJECTS TO FUEL MARKET GROWTH 135

TABLE 69 CONSTRUCTION & INFRASTRUCTURE: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2019-2022 (USD MILLION) 136

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TABLE 70	CONSTRUCTION & INFRASTRUCTURE: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2023-2028 (USD MILLION)	137
8.11	OTHERS	137
TABLE 71	OTHER APPLICATIONS: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2019-2022 (USD MILLION)	137
TABLE 72	OTHER APPLICATIONS: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2023-2028 (USD MILLION)	138
9	FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY REGION	139
9.1	INTRODUCTION	140
FIGURE 43	FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY REGION	140
FIGURE 44	CHINA TO REGISTER HIGHEST CAGR IN GLOBAL FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET DURING FORECAST PERIOD	141
FIGURE 45	NORTH AMERICA TO ACCOUNT FOR LARGEST MARKET SHARE DURING FORECAST PERIOD	141
TABLE 73	FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY REGION, 2019-2022 (USD MILLION)	142
TABLE 74	FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC), BY REGION, 2023-2028 (USD MILLION)	142
9.2	NORTH AMERICA	142
9.2.1	NORTH AMERICA: RECESSION IMPACT	143
FIGURE 46	NORTH AMERICA: RECESSION SCENARIO-BASED ANALYSIS, 2022-2028	143
FIGURE 47	NORTH AMERICA: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET SNAPSHOT	144
TABLE 75	NORTH AMERICA: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY COUNTRY, 2019-2022 (USD MILLION)	144
TABLE 76	NORTH AMERICA: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY COUNTRY, 2023-2028 (USD MILLION)	145
TABLE 77	NORTH AMERICA: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2019-2022 (USD MILLION)	145
TABLE 78	NORTH AMERICA: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2023-2028 (USD MILLION)	145
TABLE 79	NORTH AMERICA: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SYSTEM TYPE, 2019-2022 (USD MILLION)	146
TABLE 80	NORTH AMERICA: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SYSTEM TYPE, 2023-2028 (USD MILLION)	146
TABLE 81	NORTH AMERICA: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY APPLICATION, 2019-2022 (USD MILLION)	147
TABLE 82	NORTH AMERICA: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY APPLICATION, 2023-2028 (USD MILLION)	147
9.2.2	US	148
9.2.2.1	Government mandates to adopt fire protection systems in buildings to drive market	148
TABLE 83	US: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2019-2022 (USD MILLION)	148
TABLE 84	US: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2023-2028 (USD MILLION)	149
9.2.3	CANADA	149
9.2.3.1	Growing adoption of latest advancements in fire protection systems to boost demand for TIC services	149
TABLE 85	CANADA: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2019-2022 (USD MILLION)	149
TABLE 86	CANADA: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE,	

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2023-2028 (USD MILLION) 150

9.2.4 MEXICO 150

9.2.4.1 Rising investments in enhancing warehouse infrastructure to drive demand for fire protection systems 150

9.3 EUROPE 150

9.3.1 EUROPE: RECESSION IMPACT 151

FIGURE 48 EUROPE: RECESSION SCENARIO-BASED ANALYSIS 151

FIGURE 49 EUROPE: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET SNAPSHOT 152

TABLE 87 EUROPE: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY COUNTRY, 2019-2022 (USD MILLION) 153

TABLE 88 EUROPE: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY COUNTRY, 2023-2028 (USD MILLION) 153

TABLE 89 EUROPE: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2019-2022 (USD MILLION) 154

TABLE 90 EUROPE: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2023-2028 (USD MILLION) 154

TABLE 91 EUROPE: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SYSTEM TYPE, 2019-2022 (USD MILLION) 154

TABLE 92 EUROPE: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SYSTEM TYPE, 2023-2028 (USD MILLION) 155

TABLE 93 EUROPE: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY APPLICATION, 2019-2022 (USD MILLION) 155

TABLE 94 EUROPE: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 156

?

9.3.2 UK 156

9.3.2.1 Growing adoption of wireless fire detection systems to drive market 156

TABLE 95 UK: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2019-2022 (USD MILLION) 157

TABLE 96 UK: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2023-2028 (USD MILLION) 157

9.3.3 GERMANY 157

9.3.3.1 Increase in number of fire safety regulations and standards to contribute to market growth 157

TABLE 97 GERMANY: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2019-2022 (USD MILLION) 158

TABLE 98 GERMANY: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2023-2028 (USD MILLION) 158

9.3.4 FRANCE 158

9.3.4.1 New government rules mandating installation of sprinklers in homes to support market growth 158

TABLE 99 FRANCE: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2019-2022 (USD MILLION) 159

TABLE 100 FRANCE: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2023-2028 (USD MILLION) 159

9.3.5 ITALY 159

9.3.5.1 Rising government efforts to enforce adherence to fire safety regulations to drive market 159

9.3.6 SPAIN 160

9.3.6.1 Growing awareness of fire safety among businesses and individuals to foster market growth 160

9.3.7 REST OF EUROPE 160

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9.4 ASIA PACIFIC 161

9.4.1 ASIA PACIFIC: RECESSION IMPACT 161

FIGURE 50 ASIA PACIFIC: RECESSION SCENARIO-BASED ANALYSIS 161

FIGURE 51 ASIA PACIFIC: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET SNAPSHOT 162

TABLE 101 ASIA PACIFIC: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY COUNTRY, 2019-2022 (USD MILLION) 163

TABLE 102 ASIA PACIFIC: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY COUNTRY, 2023-2028 (USD MILLION) 163

TABLE 103 ASIA PACIFIC: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2019-2022 (USD MILLION) 163

TABLE 104 ASIA PACIFIC: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2023-2028 (USD MILLION) 164

TABLE 105 ASIA PACIFIC: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SYSTEM TYPE, 2019-2022 (USD MILLION) 164

TABLE 106 ASIA PACIFIC: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SYSTEM TYPE, 2023-2028 (USD MILLION) 165

TABLE 107 ASIA PACIFIC: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY APPLICATION, 2019-2022 (USD MILLION) 165

TABLE 108 ASIA PACIFIC: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY APPLICATION, 2023-2028 (USD MILLION) 166

9.4.2 CHINA 166

9.4.2.1 Rising adoption of fire protection systems to favor market growth 166

TABLE 109 CHINA: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2019-2022 (USD MILLION) 167

TABLE 110 CHINA: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2023-2028 (USD MILLION) 167

9.4.3 JAPAN 167

9.4.3.1 Growing sales of sprinklers, fire extinguishers, and fire alarms to propel market growth 167

TABLE 111 JAPAN: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2019-2022 (USD MILLION) 168

TABLE 112 JAPAN: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2023-2028 (USD MILLION) 168

9.4.4 SOUTH KOREA 168

9.4.4.1 Government initiatives to minimize fire damages to human lives and properties to drive market 168

TABLE 113 SOUTH KOREA: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2019-2022 (USD MILLION) 169

TABLE 114 SOUTH KOREA: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2023-2028 (USD MILLION) 169

9.4.5 INDIA 169

9.4.5.1 Growing emphasis on fire safety in commercial and corporate sectors to support market growth 169

9.4.6 AUSTRALIA 170

9.4.6.1 Stringent regulations in mining industries to increase uptake of TIC services 170

9.4.7 REST OF ASIA PACIFIC 171

9.5 REST OF THE WORLD (ROW) 171

9.5.1 ROW: RECESSION IMPACT 171

FIGURE 52 ROW: RECESSION SCENARIO-BASED ANALYSIS, 2022-2028 172

FIGURE 53 ROW: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET SNAPSHOT 173

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TABLE 115 □ ROW: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY REGION, 2019-2022 (USD MILLION) □ 173

TABLE 116 □ ROW: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY REGION, 2023-2028 (USD MILLION) □ 174

TABLE 117 □ ROW: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2019-2022 (USD MILLION) □ 174

TABLE 118 □ ROW: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SERVICE TYPE, 2023-2028 (USD MILLION) □ 174

TABLE 119 □ ROW: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SYSTEM TYPE, 2019-2022 (USD MILLION) □ 175

TABLE 120 □ ROW: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY SYSTEM TYPE, 2023-2028 (USD MILLION) □ 175

TABLE 121 □ ROW: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY APPLICATION, 2019-2022 (USD MILLION) □ 176

TABLE 122 □ ROW: FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET, BY APPLICATION, 2023-2028 (USD MILLION) □ 176

9.5.2 □ MIDDLE EAST & AFRICA □ 177

9.5.2.1 □ Demand from oil and petroleum industries to drive market □ 177

9.5.3 □ SOUTH AMERICA □ 177

9.5.3.1 □ Rising manufacturing activities to boost demand for fire protection system TIC services □ 177

10 □ COMPETITIVE LANDSCAPE □ 178

10.1 □ INTRODUCTION □ 178

10.2 □ STRATEGIES ADOPTED BY KEY PLAYERS □ 178

TABLE 123 □ OVERVIEW OF STRATEGIES ADOPTED BY KEY PLAYERS □ 179

10.3 □ MARKET SHARE ANALYSIS □ 180

FIGURE 54 □ FIRE PROTECTION SYSTEM TESTING INSPECTION AND CERTIFICATION (TIC) MARKET: MARKET SHARE ANALYSIS, 2022 □ 181

TABLE 124 □ FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET: MARKET SHARE ANALYSIS □ 181

10.4 □ REVENUE ANALYSIS □ 182

FIGURE 55 □ REVENUE SHARE ANALYSIS OF TOP 5 PLAYERS, 2018-2022 □ 182

10.5 □ EVALUATION MATRIX FOR MAJOR PLAYERS □ 184

10.5.1 □ STARS □ 184

10.5.2 □ PERVASIVE PLAYERS □ 184

10.5.3 □ EMERGING LEADERS □ 184

10.5.4 □ PARTICIPANTS □ 184

FIGURE 56 □ FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET: EVALUATION MATRIX FOR KEY COMPANIES, 2022 □ 185

10.5.5 □ COMPANY FOOTPRINT ANALYSIS □ 186

TABLE 125 □ COMPANY FOOTPRINT □ 186

TABLE 126 □ COMPANY SERVICE TYPE FOOTPRINT □ 187

TABLE 127 □ COMPANY APPLICATION FOOTPRINT □ 188

TABLE 128 □ COMPANY REGION FOOTPRINT □ 189

10.6 □ COMPANY EVALUATION MATRIX FOR STARTUPS/SMALL AND MEDIUM-SIZED ENTERPRISES (SMES), 2022 □ 190

10.6.1 □ PROGRESSIVE COMPANIES □ 190

10.6.2 □ RESPONSIVE COMPANIES □ 190

10.6.3 □ DYNAMIC COMPANIES □ 190

10.6.4 □ STARTING BLOCKS □ 190

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FIGURE 57 FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET: EVALUATION MATRIX FOR STARTUPS/SMES, 2022 191

TABLE 129 FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET: DETAILED LIST OF KEY STARTUPS/SMES 192

10.6.5 COMPETITIVE BENCHMARKING OF KEY STARTUPS/SMES 193

TABLE 130 FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET: COMPETITIVE BENCHMARKING OF KEY STARTUPS/SMES 193

?

10.7 COMPETITIVE SCENARIOS AND TRENDS 193

10.7.1 PRODUCT/SERVICE LAUNCHES 193

TABLE 131 FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET: PRODUCT LAUNCHES, JANUARY 2019- JUNE 2023 194

10.7.2 DEALS 198

TABLE 132 FIRE PROTECTION SYSTEM TESTING, INSPECTION, AND CERTIFICATION (TIC) MARKET: DEALS, FEBRUARY 2019-AUGUST 2023 198

10.7.3 OTHER DEVELOPMENTS 207

TABLE 133 OTHER DEVELOPMENTS, MARCH 2019-OCTOBER 2022 207

Fire Protection System Testing, Inspection, and Certification (TIC) Market by Service Type (Testing, Inspection, Certification), System Type (Fire Alarm Devices, Fire Detection Systems, Sprinkler Systems), Application and Region - Global Forecast to 2028

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