

**Awarded projects of the Development Bureau, the Buildings Department, the Civil Engineering and Development Department, the Drainage Services Department, the Electrical and Mechanical Services Department, the Water Supplies Department and the Highways Department at the 51st International Exhibition of Inventions of Geneva**

<b>Saudi Innovation Excellence Prize - Ministry of Education, Kingdom of Saudi Arabia</b>	
Awardee	Awarded project
Drainage Services Department	Crawler-type all-terrain survey robot “T300”

<b>Gold medals with the congratulations of jury</b>	
Awardee	Awarded project
Buildings Department	FireCheck 4D – A BIM Fire Safety Checker
Civil Engineering and Development Department	AI Landslip Warning System
	CANOPUS - Smart Safety Harness
	Intelligent occupational health and safety management and monitoring system for confined spaces
	Personnel real-name system and equipment tracking intelligent software
Drainage Services Department	i-STAR: Intelligent smart trap analysing robot
Water Supplies Department	AquaMend Rover

<b>Gold medals</b>	
Awardee	Awarded project
Development Bureau and Civil Engineering and Development Department	SmartAERO - Smart Drone Management Platform
Buildings Department	UrbanCool Dynamics – A BIM Building Separation Checker
Civil Engineering and Development Department	IntelliGuard OS
Drainage Services Department	Crawler-type all-terrain pipeline survey robot “T300”
	Flood model with explainable AI computation (Flood MoXAIC) - A smart flood forecast and alert system
	Quantitative polymerase chain reaction (qPCR) for semi quantitative analysis of environmental DNA (eDNA)
	RPIR: Rapid purification of sewage using sedimentation integrated rectangular airlift loop reactor
Electrical and Mechanical	AI-enabled Smart Water Tank Cleaning Robot

Services Department	Automatic Control Methods and Devices for Air-Side Equipment Using Artificial Intelligence Technology
	Marine Energy Innovation in Power Generation
	Quadruped Confined Space Inspectors
	Revolutionising Fault Detection in Air Handling Units and Chiller Systems in Healthcare Institutions
Water Supplies Department	Smart hypo cooling system - ensuring stable disinfection with sodium hypochlorite under hot weather conditions

<b>Silver medals</b>	
Awardee	Awarded project
Civil Engineering and Development Department	CEDD AI Assistant
	Heavy machinery and hazardous area monitoring system
	TAMAGO - Smart Falsework Monitoring System
Drainage Services Department	Intelligent Sludge Detective
Electrical and Mechanical Services Department	AI-powered UAV Inspection System for Floodlights
	Cognitive Screening and Assessment through the Application of Mixed Reality and AI Technologies
	PVSmart System
	Robot Giraffe
	SafeClean - Window Cleaning Robot
Highways Department	Intelligent Pavement Assessment System (iPAS)
Water Supplies Department	X Force Antenna

<b>Bronze medals</b>	
Awardee	Awarded project
Civil Engineering and Development Department	Electronic lock and work permit system for hazardous areas
Drainage Services Department	Digitalisation of underground pipeline inspection and management system
	Remedix: Remediating and Fixing Medical Pollution
Electrical and Mechanical Services Department	Automatic Illuminance Measurement Robot