



Smart Building implementation

No.	Name Place	places	automation		safety				energy		water		Indoorenvironme				lighting				Building Area m2
			b1	b2	s1	s2	s3	s4	e1	e2	a1	a2	i1	i2	i3	i4	l1	l2	l3	l4	
1	Engineering collage	Irbid , Jordan	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	85400
2	court buildings-E	Irbid , Jordan			✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	54295.9
3	stadium	Irbid , Jordan			✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	2800
4	Veterinary Hospital	Irbid , Jordan	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	10000
5	Medical collage	Irbid , Jordan			✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	71600
6	court buildings-M	Irbid , Jordan			✓	✓	✓				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	16149
7	housing	Irbid , Jordan	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	39350
8	Service and infra buildings	Irbid , Jordan	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	25988
	The buildings of the cultural axis (the gate, the mosque, the library ,complex, the presidency ,the classroom complex (the gymnasium	Irbid , Jordan	✓	✓	✓	✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	99139.1
9	Health Center/ Irbid	Irbid , Jordan			✓	✓	✓						✓	✓	✓	✓	✓	✓	✓	✓	5600
10	Dental Center/ Irbid	Irbid , Jordan			✓	✓	✓						✓	✓	✓	✓	✓	✓	✓	✓	5500
																					415822



B,; Implementation and operation of the B.M.S building monitoring and control system in many university sites by the engineers and technicians of the Operation and Maintenance Unit at the University of Science and Technology, where the lighting and temperature are monitored and controlled, and the alarm systems are inspected also our BMS system is connected to an application the operators have an access for it so they can controlled different systems any where they are



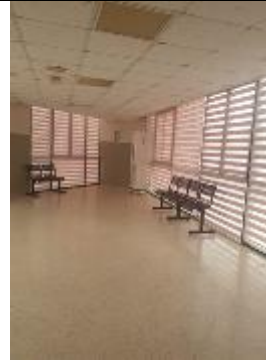
The Automatic Door Sensor System



The Intruder Alarm System



FireAlarm System and in BMS buildings it connected with the applications and monitoring



The facades of all buildings are designed to get the maximum natural lighting and visual continuity, and we use removable sun breakers to achieve the comfortable lighting and temperature for user, most of our Ac system is converter and fixed to stop when temperature achieve 23 celsius degree



As shown in picture above the Engineering and Medical colleges buildings facades designed extroverted to the inside court, so the halls and laboratories are gain natural lighting and natural ventilation and avoiding direct sun heat,for acknowledgment there are fountain systems in each court that helps cooling the university surface, while the outer facades are mostly solid with small architectural openings to avoid most



of heat and get some light from them with the possibility of closing them with movable sun breakers Or a normal curtains if the situation becomes troublesome



cctv system example

Example of Smart Building implementation (Jordan University of Science and Technology, Jordan)