

# PROJECT ANALYSIS GUIDE

## PART 1 : CONTEXT OF PROJECT

**City :**

**Project name :**

Description of the need of user :

- Access control :**       *Parking*       *Pedestrian area*       *Private comp.*       *School*       *Hospital*  
 **Anti-intrusion :**       *Bank*               *Retail location (hypermarket)*       *Car dealership*  
 **High security :**       *Other(s) :* \_\_\_\_\_  
 *Embassy/Police*       *Nuclear Plant*       *Other (s) :* \_\_\_\_\_

Engineering consultant : \_\_\_\_\_

Architect : \_\_\_\_\_

Contractor : \_\_\_\_\_

Final user : \_\_\_\_\_

User's budget : \_\_\_\_\_

Decision making criterion : \_\_\_\_\_

Expected lead time : \_\_\_\_\_

## PART 2 : SITE ANALYSIS

**Blueprint / drawing : MANDATORY.**

**Number of accesses and location on the drawing .**

**Legal constraint (Historical site ? Requested building code approval ?...) :** \_\_\_\_\_

**Environmental constraints :** \_\_\_\_\_

- Dusts / Sand                       Humidity ( $\geq 90\%$ )               Heat ( $\geq 50^{\circ}\text{C} / 122^{\circ}\text{F}$ )  
 Coastal atmosphere / Salt exposure               Cold ( $< 10^{\circ}\text{C} / 50^{\circ}\text{F}$ )

**Site characteristics :** \_\_\_\_\_

Type of surfacing :  Cobblestone       Oil/gravel       Asphalt       Concrete       Others :

Slope greater than 10 % ?

Water (water tables, underground springs)

Utilities (water, sewer, gas, telephone, electric, CATV...)

Location known  Yes       No

High voltage lines                       Yes       No

Voltage :

Subterranean

Type of vehicles       Electrical vehicles       Heavy vehicles       Long vehicles       Others :

Voltage :                       110 V                       220 V                       Others

Phase :                       Single phase                       Three phase

Frequency / cycles :                       50 Hz                       60 Hz

## PART 3 : INTENDED USE OF THE SYSTEM

ACCESS N° : \_\_\_\_\_ (1 sheet per access)

### GENERAL CONFIGURATION

**Width of the road (s) :** \_\_\_\_\_

**Traffic direction :**     One-way                       Two-way                       Other : \_\_\_\_\_

**Traffic application :**     Controlled entrance     Controlled exit                       Automatic exit  
 Controlled entrance/exit                       Controlled entrance / automatic exit

**Motorization :**             Hydraulic                       Pneumatic

**Method of control :**     Card     Remote control     Keypad     Remote control desk     Analog intercom  
 Digital intercom                       Clock for automatic operation  
 Transponder                                       GSM (cell phone)                       Key  
 No control device  
 Integration to an existing security system  
 Others (specify) : \_\_\_\_\_

**Distance from controller to the bollards :**

**Number of users**

Number and types of users	Beeper	Card	Keypad	Key	Emergency Stop Button
Medical					
Fire Fighters					
Funds Conveyors					
Deliveries					
Residents with garage					
Residents without garage					
Gas, Electricity, Telecom services					
Trash Removal					
Police					

**Maximum frequency of visitors per hour :**

**If remote control desk, visual contact between controller and bollards.**     Yes     No

**SECURITY**

Detection loops .  Yes  No  
Other detection mode (optical sensor, ...).  Yes  No  
Built-in traffic lights.  Yes  No  
Video monitoring.  Yes  No  
Access for emergency vehicle :  
- Firemen : \_\_\_\_\_  
- Police : \_\_\_\_\_  
- Emergency doctors : \_\_\_\_\_  
- .....

If interruption of electricity :  
 Positive security (bollard down)  Negative security (bollard up)  
Anti-train effect (vehicle following) :  
 No (urban or private logic)  Yes (high security logic)

***PART 4 : SELECTION OF EQUIPMENTS***

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**BOLLARD**

Height:  
Diameter :  
Material :  
Type :  Fixed Quantity : \_\_\_\_\_  
 Removable Type of key ? \_\_\_\_\_ Quantity : \_\_\_\_\_  
 Semi-automatic Type of key ? \_\_\_\_\_ Quantity : \_\_\_\_\_  
 Automatic Quantity : \_\_\_\_\_  
 High security Quantity : \_\_\_\_\_  
Model :  
Color :  
Reflective .  Yes  No  
LED light .  Yes  No  
Upper limit switch .  Yes  No  
Heater.  Yes  No

Comments : \_\_\_\_\_  
\_\_\_\_\_

**CONTROLLER**

Centralization :  Yes, now  Yes, later  No  
Model :  City 3 Single front face  City 3 Double front face  Center or cabinet  
 City 5 Single front face  City 5 Double front face  
Color :  Standard  Other : \_\_\_\_\_  
Traffic lights should be  Red/Yellow  Red/Green  Yellow/Green  Red/Yellow/Green

**CONTROL TERMINAL**

Model :  Light posts  City 0  City 1  
Color :  Standard  Other : \_\_\_\_\_