

SECURITY REPORT FOR SPEAR MOTORS

Spear Motors Ltd is a private Limited Company duly incorporated under the Laws of Uganda. It was founded in 1974 by Prof. Gordon Wavamunno. Spear Motors Ltd is the Sole official distributor for Daimler AG of Stuttgart, Germany the manufacturers of Mercedes Benz and Fuso. It is also the official distributor for Fiat Chrysler Automobiles (FCA), the manufacturers of Chrysler, Jeep and Dodge.

Spear Motors is also a the main servicing provider for mercerdes benz in uganda and east africa at large. Its servicing division is vast and has a spare parts private wholesaler.

Spear Motors also has an apprenticeship school taking 500+ students in mechanical engineering courses.

Spear Motors has a showroom that is about 1000 square feet that houses the slick cars for for sales.

Spear Motors is located at Plot M428, Nakawa, Jinja Road at the junction with strechter road going to Ntinda, Jinja road to Jinja and from town, and Kireka Road to Kireka.

Prepared By Ronnie Kimbugwe

Location at a junction

It being located on a junction might be a strategic, but poses a number of security threats.

Its prone to surbotage by unscrupulous individuals who will have an advantage to escape without apprehension.

Dangerously Mechanical Condition(DMC) pose a threat of crushing into the show room especially when coming from town.

The amount of noise pollution might detour customers.

The burden of jam in Kampala might be detrimental for customers and staff To curb this threat a

A number of measures have been put in place to handle this issue:

Parameter bars to protect from DMCs that might lose control.

Parameter bars are weak especially in a situation when a heavy vehicle has crashed into the place

A number of measure can be put in place to mitigate the vulnerabilities these include;

Sound proofing the show room to eliminate the effect of noise

efficient traffic control system implemented by the authorities

Weak parameter wall

Spear Motors has a weak parameter wall especially on the show room side which makes the companies main sources highly vulnerable to:

Its prone to surbotage by unscrupulous individuals who can take this an advantage to perform acts of surbotage.

Dangerously Mechanical Condition(DMC) pose a threat of crushing into the show room especially when coming from town.

Thieves in times of minimal security especially during the day time may take this as advantage to break in.

Competition may use this as advantage to spy on the business

Depreciation of the metal bars

A number of measures have been put in place to handle this issue:

Placing of cctv camera

Putting an electric wire on the fence

Security lights especially at night

A number of measure can be put in place to mitigate the vulnerabilities these include;

adding of cctv camera especially on the size of the apprenticeship school

place concrete blocks in addition to the fence to minimise damage caused by a vehicle big or small if it crashes into the place.

building a fence that closes off the other departments.

Poor security at the gate especially during daytime

During the day time there are only three guards at the gate.This is a vulnerability that poses a number of threats

it's prone to masqueraders who will take an advantage to commit crime.

its prone to bringing in dangerous materials

its prone to bringing in dangerous materials.th

its prone to bringing in weapons

Competition will use this as an advantage to

Currently there is a number of metal detectors and a books for signing in.The problem with this is that it doesn't deter masqueraders and criminals.There is no proper and conclusive check for vehicles.

There should be magnifying glass to help thoroughly check cars

There should a full body metal detectors for a thorough check for all individuals

Lack of proper demarcation between departments.

There are different department including showroom/mainblock,apprentiship school,warehouse(s),mechanics garages, private spare parts company.There is a small fence that separates the main compound from the warehouse(s) and mechanics garages.This is a vulnerability that poses a number of threats that include:

Possibility of a unknown people posing as students or customers to infiltrate the school or garage to:-

Execute an attack

Steal business secrets etc

Currently there is a guard at the entrance of the mechanic garage and a visitor or employee or student has to sign in.

What can be done to improve security is introduce chip id for employees

Student should have valid student IDs

Full body metal detectors at the entrances

Showroom/Main Admin Block

The main admin block and show room is on two levels with the showroom closer to the main road on the side of Jinja road and the admin block on the side of Kireka Road.

As stated at the beginning its number on vulnerability is that its situated at a junction. Its vulnerabilities include:-

There is no guard at the entrance of the block.

The ground level of the showroom is on the same level as compound

There is no door that separates the administrators on level 2.

The accounts department is small

The company memorabilia isn't protected enough

There is no guard for the CEO yet he is an ambassador.

There is a narrow stair way bringing employees and visitors to the main block level.

There is no fire escape

There is only one receptionist.

There are no visible direction on entry.etc

There are number of security measures that are in place these include:-Sign in book for visitors,Close coordination between security at the gate and the receptionist,Thick glass separating show room on ground level.The problem is that people can sign in with different names and forged national IDs.

During times when the receptionist is on leave, one of the security personnel has to come in as support.

Thick glass can sustain damage as well.

A number of security measures can be put in place to reduce security threats these include:

Beefing up security at the main block

Giving visitors cards to visitors.

Installing a metallic roll up face to protect the glass and be more secure.

Installing a fire escape to protect employees against fire.

Widening a stair case

Introducing biometric door at the entrance of the administrators block.

Enlarging the accounts department and installing fire extinguisher to protect records against fire.

Apprentiship School

Spear Motors limited has an apprenticeship school where people can go and get diplomas in automotive mechanics and courses. This is found on the extreme side on the premises on the side of Kireka Road.

It has a number of vulnerabilities these include;

Having small fire extinguisher.

Small computer Lab also has a number of vulnerabilities. These include:-

Access to the computer lab even goes to employees that work for sister companies of under Spear Group of Companies.

Lack of prohibition measures for students ie entry restrictions.

The lab has no alarm or smoke detectors incase there is a fire.

Its also vulnerable to students who want to do physical damage

Its also vulnerable to students who want to steal small computer appliances

Students have computer lessons but can ask for permission to do some assignments in the computer lab. There is risk of students planting malware on the computers.

There are a number of measures that can be put in place to address these vulnerabilities these include:-

Placing a bigger fire extinguisher

Placing smoke detectors in the lab to alert students of a fire outbreak

The lab can be expanded to cater for the growing number of students

Cameras can be installed in the lab to help catch students who want to do malicious physical damage and steal

Introducing of server to closely look at the activities on students

Servicing/Garage Department

Spear Motors Ltd is the Sole official distributor for Daimler AG of Stuttgart, Germany the manufacturers of Mercedes Benz and Fuso. It is also the official distributor for Fiat Chrysler Automobiles (FCA), the manufacturers of Chrysler, Jeep and Dodge.

Spear Motors is also a the main servicing provider for mercedes benz in uganda and east africa at large. Its servicing division is vast and has a spare parts private wholesaler Servcing department is a wide area that services mercedes vehicles ranging for surdans, truck, coupes etc.

It has a number of vulnerabilities that include:-

Having metallic enclosing this can be cut and broken into especially at night or done by disgruntled employees.

Having no fire escape and only one entry and exist

Servcing department staff have plastic ids

Lack of a biometric entry and exist system.

Inorder to combat threats that these vulnerabilities pose. the following can be done:

Placing smoke detectors in the garages.

Introduction of a biometric entry and exist system. etc

Vacant land adjacent

There is vacant land between pepsi and Spear Motors Limited. This is a serious vulnerability to the company because:-

It can be used by dangerous people to carry out attacks especially in times or riots e.g by throwing stones.

It can be used by the competitions or some ill mannered people to eavesdrop on the company systems

It can be used by the competitions or some ill mannered people to eavesdrop and even hack into the company systems.

It can be used by competitors to carry out guerrilla marketing

Inorder to combat threats that these vulnerabilities pose.the following can be done:

The company can ask for a lease on the land and expand its school or showroom

Limited IT personnel

Spear Motors Limited has an understaffed IT department.This is a vulnerability.This is a makes the company prone to a number of attacks ie

Malicious damage by disgruntled employees

Theft of IT hardware by staff

Limited protection given to all IT hardware

Lack of effective monitoring of depreciation of IT hardware.

Lack of effective supervision of students.

Business may come to a stand still during a malicious attacks

Rigidity in upgrading to modern technologies.

The company can hire more IT personnel to handle the above concerns.

Unsecured website

The spear motors website ie <http://spearmotors.co.ug/> is not secure.This vulnerability will lead to a number of threats ie

Risk of attack of malware

Denial of Service attacks to customers.

Competition can use this vulnerability to phish.

The problem is that it's not encrypted, meaning that anyone who controls a part of the companies network can snoop or eavesdrop.

The only way this vulnerability can be dealt with is having it secured ie <https://spearmotors.co.ug>

Minimal security at the gate,

this is a vulnerability that brings a number of threats that include:

Entry of unscrupulous individuals posing as staff, customers or students

Entry by people posing as customers yet they are competition. An espionage risk

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Week entry

Lack of partitions for the repair section

Fire in the parts store

parts being stolen by car dealership

surbotage buy car dealership