



جامعة الجميع الذكية
EVERYONE'S SMART UNIVERSITY

Everyone's Smart University

Assignment 1 (Spring 2021)

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Section

**Master of Project
Management**

Date

18 / 02 / 2021

Course Code

(PMG510)

Project Risk Management

Instructions:

Instructor's Name: Eng. Mosaab M. Hamed

حتى الآن من المفترض أن تكون أصبحت قادراً على التعرف والتمييز بين أنواع المخاطر المختلفة وكيفية التعامل معها. كما يمكنك الآن رؤية كيف يتم هذا الأمر في الشركات الكبيرة والمرموقة.

في هذا الواجب: قم باختيار واحدة من الشركات التالية:

أرامكو السعودية

البنك الأهلي التجاري

شركة الاتصالات السعودية

قم باختيار واحدة من الشركات الثلاث المذكورة أعلاه ثم ابحث عن أي 4 مخاطر تواجهها هذه الشركة .

لكل خطر من هذه المخاطر قم بالاجابة عن الأسئلة التالية:

1. لماذا اعتبرته خطراً؟
2. ماهو نوع هذا الخطر؟
3. ماهي احتمالية هذا الخطر؟ وفي حالة وقوعه مامدى قوة وتأثير هذا الخطر؟
4. ماهي السياسة أو الاستراتيجية التي تتبعها هذه الشركة للتعامل مع هذا الخطر وادارته؟

** يمكنك الاجابة باللغة العربية أو الانجليزية على ألا تتجاوز اجابتك صفحتين من النوع A4

** يتم تسليم جميع الاجابات في ملف بصيغة pdf.

** حجم الخط 12.

** نوع الخط Arial.

** المسافة بين الأسطر (line spacing) 1.5

أمنياتي بالتوفيق.

Throughout this course you have learned about the different types of risk and how businesses manage them. Now you will be able to see how it is done in a well-known company.

Your assignment is to choose one of the following companies:

Saudi Aramco

The National Commercial Bank

Saudi Telecom Company

Do some research on any of the aforementioned companies and identify four risks they are facing.

For each risk please answer the following:

1. Why is this a risk?
2. What type of risk is it?
3. What is the likelihood of the risk? How great is the impact?
4. What strategy or policy does the company use to manage the risk?

** Your answers could either be in Arabic or English.

** You should submit your assignment in a pdf formatted file.

** Font size should be 12.

** Font type is Arial.

** Line spacing is 1.5.

All the best.

Saudi Aramco Company Risks:

1- Chemical Hazards:

Chemicals and chemical reaction can cause harm to people and environment and for sure losing the business if not take care well when dealing with chemical especially which can cause explosion. It is considered as Hazard Risk.

Mitigating health and safety risks, both on and off the job, is Aramco top priority. Supplying the world with the energy and chemicals products it needs is important work. But taking care of the health and safety is the most important work of all.

As strategy of Aramco starting with chemicals Hazard identification, ensure that hazards are identified in a consistent and comprehensive manner. Then Risk assessment Ensure that the likelihood of a hazard causing harm and the severity of that harm if it did occur, are assessed to calculate an overall risk rating for that hazard. After that, Risk control: Implement the internationally recognized hierarchy of risk control measures to eliminate or reduce the level of risk associated with each hazard. Corrective actions shall be used to implement any additional control measures that are necessary to manage the hazard but not yet in place.

2- Climate Change Risk:

Climate Change will direct effect on the production rate of Aramco Company, so it is considered as Control Risk.

Climate change poses a serious risk to Saudi Aramco's long-term business as rising sea levels and temperatures could damage infrastructure, curb productivity and even halt some of its operations.

Sea level rises pose the biggest threat to Aramco's business and may lead to some of its refining facilities being underwater in the next few decades, making it more difficult for the company to operate, the Paris-based consultant Callendar, said in a report.

Water levels along the east coast of Saudi Arabia, near where much of Aramco's infrastructure is located, are expected to rise by about 13 centimeters (5.1 inches) by

2030, the consultant said. As a result, some facilities such as Yanbu, on the Red Sea, and the Ras Tanura refinery and terminal, along the Persian Gulf, could face flooding and damage to equipment.

3- Crude oil and Natural Gas demand:

World demand decreasing on crude oil and natural gas which are the main Aramco Company production will negatively impact the Aramco Company business, so is Control Risk.

The International Energy Agency also has predicted a slowdown, saying oil demand could flatten out in the 2030s as consumers shift to more-fuel-efficient cars and electric vehicles. The advent of electric vehicles and the growing pressures to decarbonize the transportation sector means that oil is facing significant competition for the first time within its core source of demand. More generally, the application of new technologies, especially digitalization in all its various guises, has the potential to unlock huge new reserves of oil over the next 20 to 30 years. The prospect of peak oil demand, combined with increasingly plentiful supplies of oil, has led many commentators to conclude that oil prices are likely to decline inextricably over time.

4- Security Risk:

Aramco Company refineries and rigs are very sensitive area, so should be secured well from damaging and that consider as Hazard Risk.

In 2019 alone Aramco facilities were hit by three aerial attacks, according to the prospectus, underscoring the company's vulnerability in a volatile region. In May, a drone loaded with explosives struck the company's East-West pipeline, briefly shutting it down. In August, five drones hit an Aramco gas facility at the Shaybah field in southeastern Saudi Arabia, causing \$28 million in damage, Aramco said. The next month, aerial attacks on Aramco sites in Khurais and Abqaiq caused massive fires and knocked out 54 percent of Aramco's crude oil production.