

SALAM ALEIKUM!

GOOD MORNING!

LIBYAN ENVIRONMENTAL INITIATIVE

AN ACTION GROUP
(IN FORMATION)

WORKING ACTIVELY ON SAVING
LIBYA'S ENVIRONMENT

A stylized, dark teal silhouette of a mountain range is positioned at the bottom right of the slide, partially overlapping the text.

LIBYAN ENVIRONMENTAL INITIATIVE

THE LIBYAN ENVIRONMENT
&
ENVIRONMENTAL PROTECTION

A stylized, dark teal silhouette of a mountain range is positioned in the bottom right corner of the slide, partially overlapping the text 'ENVIRONMENTAL PROTECTION'.

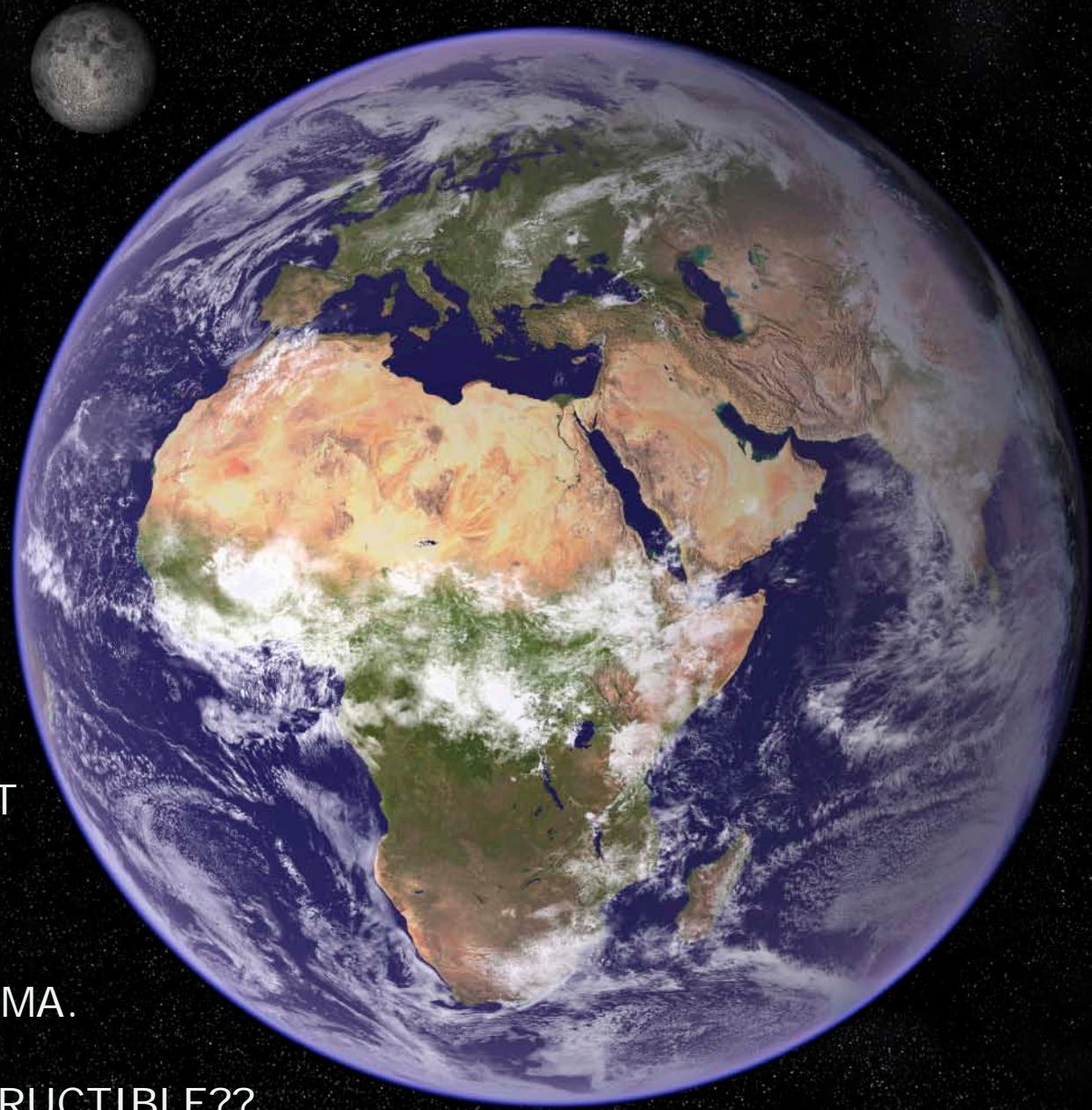
IS THIS OUR EARTH?

WELLDEFINED,
ORDERLY,
BEAUTIFUL,
CONSTANT,
UNCHANGEABLE,
EVERLASTING,
INDESTRUCTIBLE,
COMFORTINGLY SOLID



OR IS THIS OUR EARTH?

A FRAGILE, SPHERICAL
ECOSYSTEM CONSISTING
OF A THIN COVER OF
ATMOSPHERE; $< 1/200\text{th}$
OF THE EARTH DIAMETER
THICK, AND A ROCK CRUST
 $< 1/400$ EARTH DIAMETER
THICK, OVER LIQUID MAGMA.
UNCHANGEABLE?? INDESTRUCTIBLE??



WE BELIEVE:

HOLES IN THE OZONE LAYER,
GLOBAL WARMING, FLOODS,
DRAUGHTS, VULCANIC ASH
PARALYZING AIR TRAFFIC,
DEADLY EARTHQUAKES,
TSUNAMIES; ALL PROVE
THE FRAGILITY OF OUR
EARTH, AND MODERN MAN'S
ABILITY TO CHANGE AND DESTROY
THE EARTH'S PRESENT ECOSYSTEM, AND GET DESTROYED BY IT IN RETURN



LIBYAN ENVIRONMENTAL INITIATIVE

THE EARTH;
THE NATURE;
OUR ENVIRONMENT;

IT ALL DOES **NOT** BELONG TO US;

WE JUST **SAFEGUARD** IT FOR OUR
CHILDREN AND CHILDREN'S CHILDREN,
AND FOR ALL OTHER GOD'S CREATURES

ENVIRONMENTAL PROTECTION IS TO CLEAN, GUARD AND CAUSE
NO DAMAGE TO NATURE; EARTH, WATER, AIR, FLORA, FAUNA

A stylized, layered mountain range graphic in shades of teal and blue, located at the bottom right of the slide.

LIBYAN ENVIRONMENTAL INITIATIVE

SUSTAINABILITY

HUMAN ACTIVITIES THAT CAN BE SUPPORTED
BY NATURE OVER A LONG PERIOD OF TIME
WITHOUT ANY DETRIMENTAL EFFECTS

SOME EXAMPLES:

- HUNTING
 - FISHING
 - AGRICULTURE
 - GROUND WATER USAGE
 - RESOURCE DEPLETION
 - AIR EMISSIONS
 - SEA POLLUTION
- 
- A stylized, dark teal silhouette of a mountain range is positioned in the bottom right corner of the slide, partially overlapping the text area.

LIBYAN ENVIRONMENTAL INITIATIVE

BASIC ENVIRONMENTAL PRINCIPLES

PREVENTION, MINIMATION, RECOVERY

PPP (POLLUTER PAYS PRINCIPLE)

PP (PROXIMITY PRINCIPLE)

GENERATOR RESPONSIBILITY

A stylized, dark teal silhouette of a mountain range is positioned at the bottom right of the slide, partially overlapping the text 'GENERATOR RESPONSIBILITY'.

LIBYAN ENVIRONMENTAL INITIATIVE

THE WASTE HIERARCHY (THE 5 R's):

➔ **REDUCE**

➔ **REUSE**

➔ **RECYCLE**

➔ **RECOVER**

➔ **REFUSE**

LIBYAN ENVIRONMENTAL INITIATIVE

SOLUTIONS AVAILABLE TO LIBYA:

➡ REDUCE

- PURCHASE POLICY, RETURNS
- WAREHOUSING COMPUTERIZED
- CENTRAL SURPLUS STORAGE
- PRODUCTION METHOD

LIBYAN ENVIRONMENTAL INITIATIVE

SOLUTIONS AVAILABLE TO LIBYA:

REUSE

- EQUIPMENT, ALSO CONTAMINATED
- CRUDE FROM TANK WASHINGS
- RECOVERED OIL FROM SPILLS
- DEPOSIT ON BOTTLES/CANS

LIBYAN ENVIRONMENTAL INITIATIVE

SOLUTIONS AVAILABLE TO LIBYA:

RECYCLE

- USED OIL COLLECTED FOR RE-REFINING
- EXPORT OF USED LUBE OIL & WASTE HYDROCARBONS
- ACID BATTERIES, TIRES, PAPER, PLASTICS, WOOD, SCRAP METALS RECYCLED LIBYA
- EXPORT DRY BATTERIES, CATALYSTS, NEON/MERCURY LIGHTS, ELECTRONIC WASTE, TONER CARTRIDGES

LIBYAN ENVIRONMENTAL INITIATIVE

SOLUTIONS AVAILABLE TO LIBYA:

RECOVER

- RAW MATERIALS FROM WASTE
- ENERGY FROM WASTE
- COMPOST FROM WASTE

LIBYAN ENVIRONMENTAL INITIATIVE

SOLUTIONS AVAILABLE TO LIBYA:

REFUSE

- INCINERATE OR LANDFILL SEGREGATED HOUSEHOLD WASTE (NO PAPER, PLASTIC, METALS)
- LIBYA: LANDFILL EVERYTHING
- LIBYA: THROW AWAY WASTE ANYWHERE
- LIBYA: WASTE BONFIRES

LIBYAN ENVIRONMENTAL INITIATIVE

BASIC RESPONSIBILITIES
OF
THE LIBYAN PEOPLE




LIBYAN ENVIRONMENTAL INITIATIVE

LIBYA's MAIN ENVIRONMENTAL CHALLENGES

- WASTE DEPOSITED OUTSIDE LANDFILLS
 - DANGERS FOR NATURE, ESPECIALLY PLASTIC BAGS
- OPEN AIR WASTE BURNING
 - RELEASES TOXINS LIKE DIOXINS AND FURANS INTO THE AIR
- WASTE WATER TREATMENT PLANTS
 - OF 63 MAJOR TREATMENT PLANTS, NON OPERATING
- UNSUSTAINABLE WATER SUPPLY
 - (GREAT) DEAD MAN RIVER
- FUEL POWERED ELECTRICITY PLANTS
 - EXPENSIVE, POLLUTING & NO SCRUBBERS

LIBYAN ENVIRONMENTAL INITIATIVE

ENVIRONMENTAL PROTECTION MEASURES

- SOCIETAL DEVELOPMENT
 - CHILDREN's EDUCATION
 - BEING AN EXAMPLE
 - SOCIAL RESPONSIBILITY
 - MORAL ISSUE
 - ISLAM
- 
- A stylized, dark teal silhouette of a mountain range is positioned in the bottom right corner of the slide, extending from the right edge towards the center.

LIBYAN ENVIRONMENTAL INITIATIVE

IMPACT ON OUR MONEY:

- IMPORT UTILITY FUEL INSTEAD OF BURNING HIGH QUALITY LIBYAN FUEL; SAVE 240 MM US\$/YR

- BURNERS WRONG OR MALFUNCTIONING


- CONVERT TO NATURAL GAS OVER TIME

- PROCESS IMPROVEMENTS

- REFURBISH ALL WASTE WATER TREATMENT PLANTS, & CLEAN UP GARBAGE IN NATURE TO DEVELOP TOURISM


LIBYAN ENVIRONMENTAL INITIATIVE

IMPACT ON OUR AIR:

- FLARING OF STRANDED GAS (80 BB\$)
 - GAS LEAKS FROM PRODUCTION SYSTEMS
 - FIRES; OPEN AIR BURNING OF WASTE
 - HEAVY FUEL POWERED FURNISSES
 - REINJECT PRODUCED CO₂
- 
- A stylized, dark teal silhouette of a mountain range is positioned in the bottom right corner of the slide, partially overlapping the text area.

LIBYAN ENVIRONMENTAL INITIATIVE

IMPACT ON OUR SOIL & WATER:

- GARBAGE THROWN AWAY EVERYWHERE
 - NON-WORKING WASTE WATER TREATMENT PLANTS
 - PIPELINE & TANK LEAKS
 - OIL IN PRODUCED WATER
 - OIL SPILLS; LAND & SEA
 - DISCARDED OIL & SLUDGES
 - EVAPORATION PIT SHORES
- 
- A stylized, dark teal silhouette of a mountain range is positioned in the bottom right corner of the slide, partially overlapping the text area.



USED LUBRICATING OIL

OIL CHANGE "FACILITY"





THE POLICE SHOULD TAKE THE PAPERS



BREATHING DIOXINS AND SOOT AT HOME ANYBODY?

A photograph of a large, uncontrolled fire burning through a massive pile of waste in an open, arid landscape. The waste includes plastic bags, cardboard boxes, and other debris. Thick white smoke billows from the fire, partially obscuring the background. In the foreground, more trash is scattered on the ground, including a flattened metal can and a plastic bottle. To the right, there is a pile of dry, yellowed straw or hay. The overall scene depicts an informal waste disposal site where burning is used as a method of disposal.

OR BETTER BURN IN THE LOCAL DUMP?



DIOXINES & HCl GALORE



AND THE SMOG GOES BACK TO THE VILLAGE & HOMES

BURNT OUT ASH AND SCRAP REMAINS



A TURISTIC PEARL ALONG THE HIGHWAY



THIS IS THE PEARL WE WANT TOURISTS TO SEE IN LIBYA

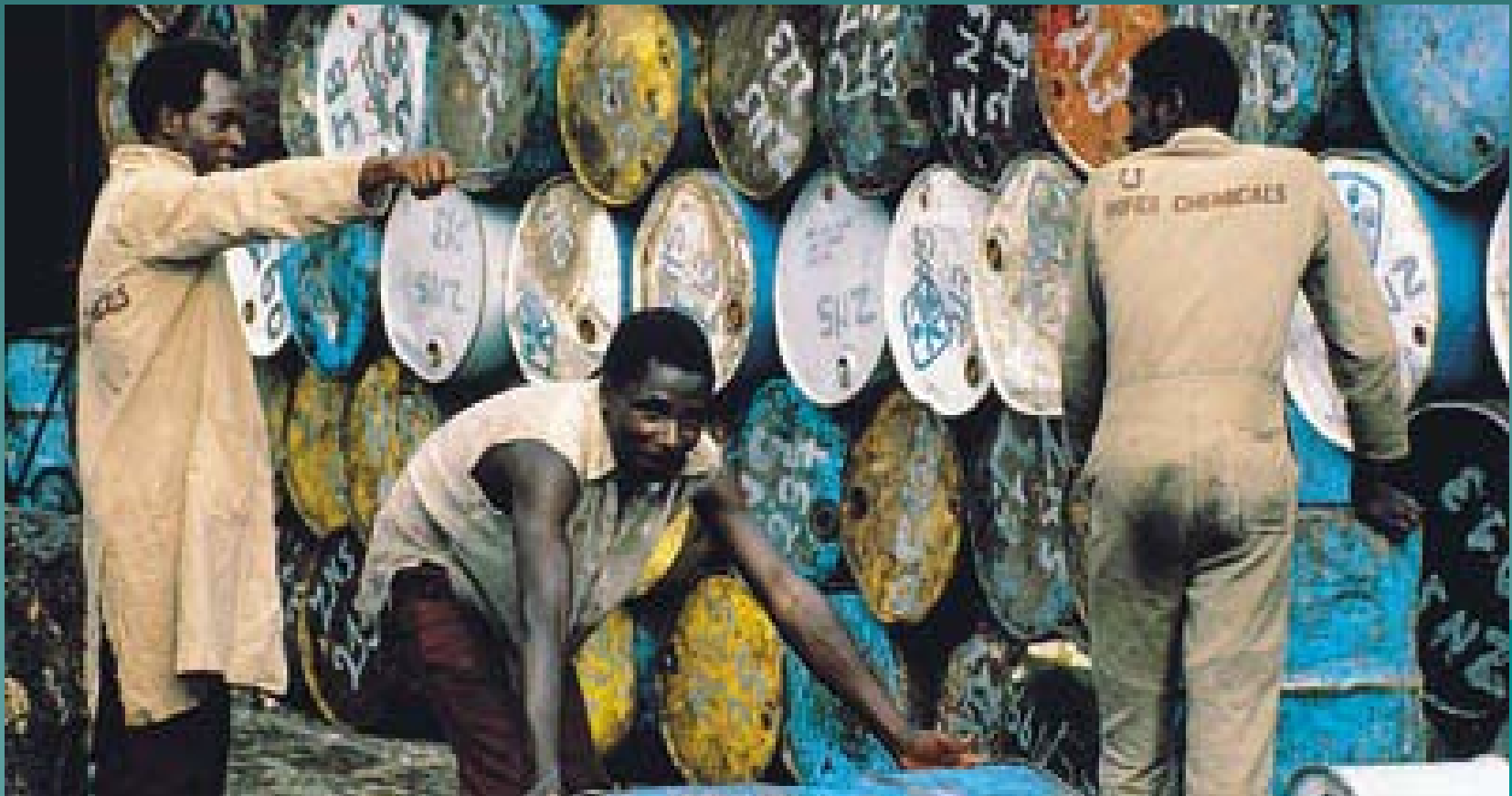




THIS WE ALSO LIKE

TYPICAL PROBLEM

COST TO SOLVE: 1X



TYPICAL PROBLEM COST TO SOLVE: 10X



TYPICAL PROBLEM

COST TO SOLVE: 100X



LIBYAN ENVIRONMENTAL INITIATIVE

ENVIRONMENTAL

PROTECTION

TECHNOLOGIES & FACILITIES

AVAILABLE TO LIBYA

A stylized, dark teal silhouette of a mountain range is positioned in the bottom right corner of the slide, partially overlapping the text 'AVAILABLE TO LIBYA'.

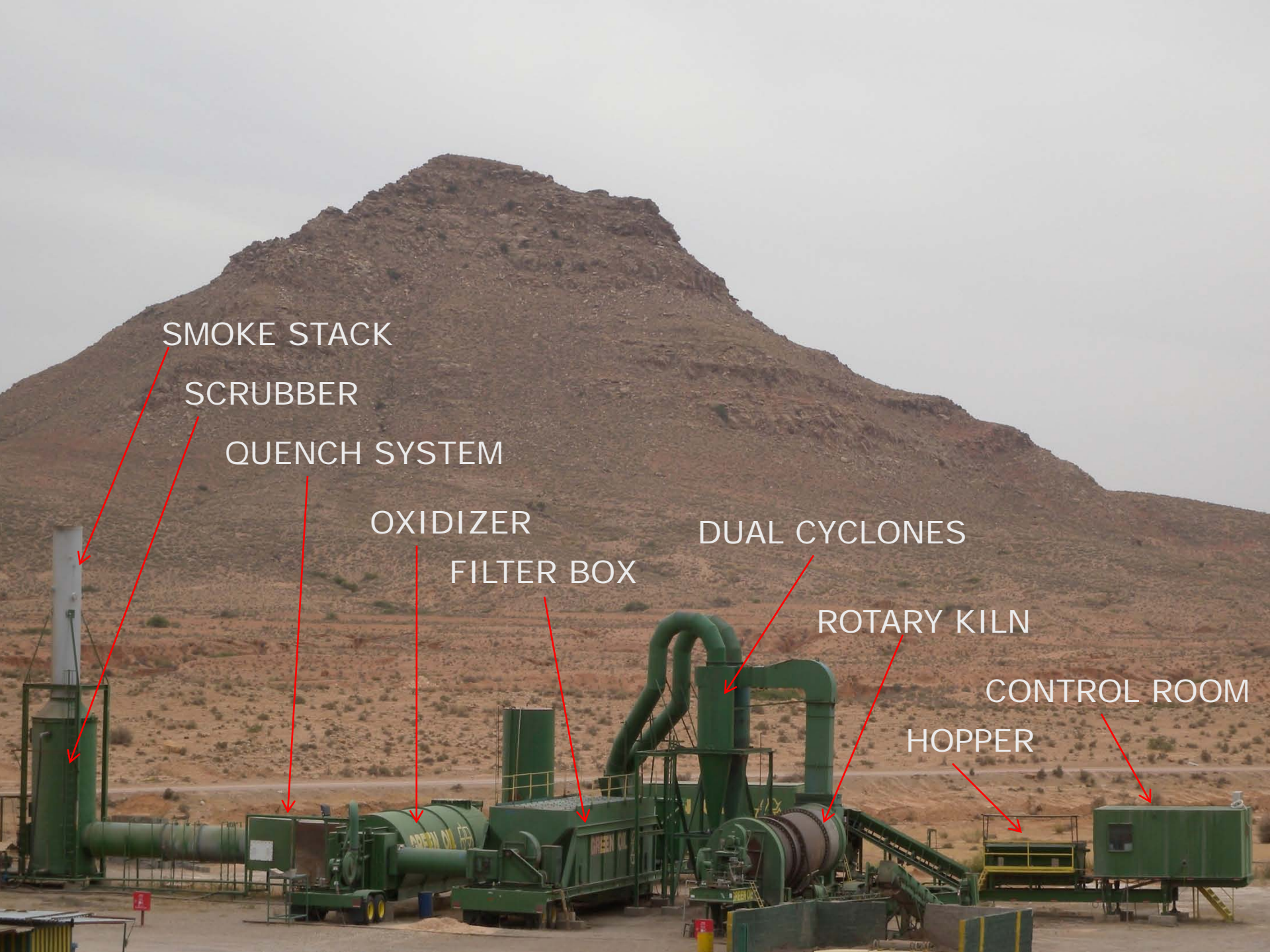
GREEN OIL LIBYA:

HIGH TEMPERATURE

HAZARDOUS WASTE

DESORPTION (INCINERATION)

& OXIDATION SYSTEM



SMOKE STACK

SCRUBBER

QUENCH SYSTEM

OXIDIZER

FILTER BOX

DUAL CYCLONES

ROTARY KILN

CONTROL ROOM

HOPPER



Green Oil Libya

Savings Bank Building, 145 Haiti Street, Tripoli, Libya

Holds Certificate No: **50471763**

and maintains a management system that has been assessed and registered by QMS Global, Inc. as conforming to the requirements of:

ISO 9001:2008 & ISO 14001:2004

The Integrated Management System is applicable to:

Provider of incineration and hazardous waste treatment services

IAF Codes: 34/24	Initial Certification Date: June 17, 2010
Certificate Issue Date: June 17, 2010	Valid Until: June 17, 2013

For QMS Global:

President, QMS Global, Inc.



This certificate remains the property of QMS Global at all times. Certificates are invalid without raised seal. Lack of fulfillment of conditions as set forth in the QMS Certification Regulations or Contract may render this certificate invalid. To check its validity visit www.QMS.net. This is not a legal document and cannot be used as such.

QMS Global, Inc. • Boca Raton, FL • USA



GREEN OIL LIBYA:



BIO-MICROBIAL REMEDIATION



جرين أويل ليبيا
GREEN OIL LIBYA

MICROBIAL TESTING AND ADAPTATION

Bacteria taken in soil samples from the site to be treated are isolated, tested, adapted and fermented in the laboratory, and then produced in large quantities on site for injection into the ground. To adapt bacteria to digest specific hydrocarbons may take 2000 to 6000 generations.





MICRO-BIOLOGICAL TREATMENT



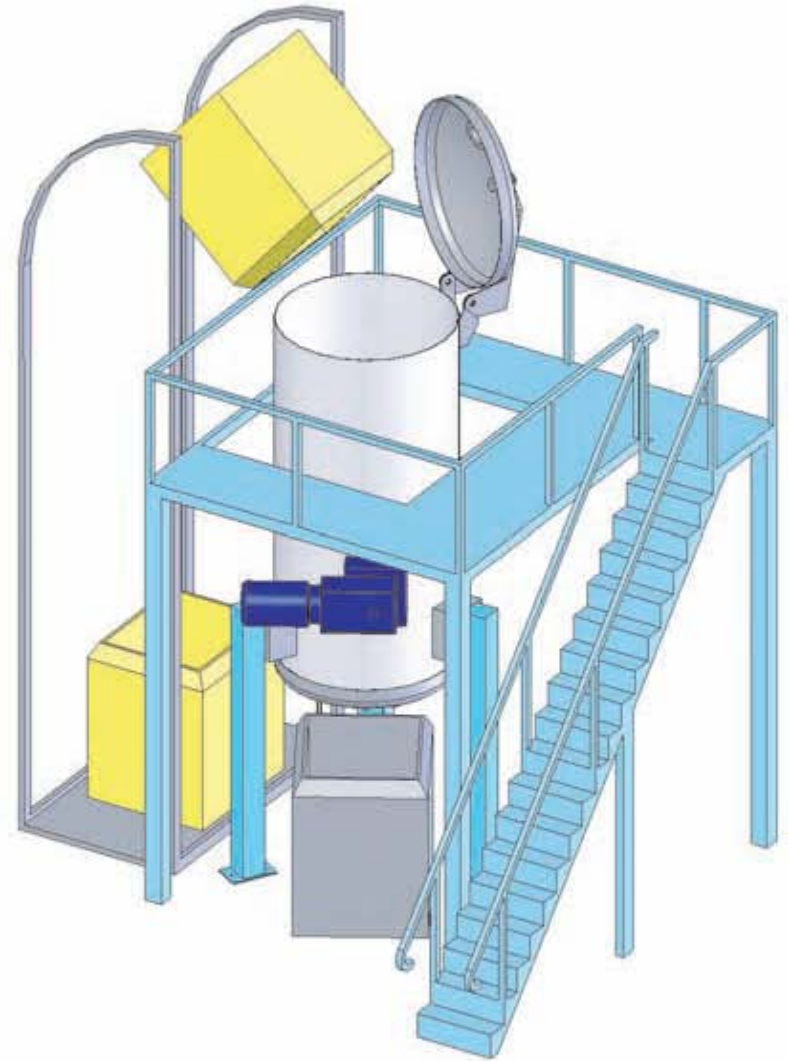
جرين أويل ليبيا
GREEN OIL LIBYA

GREEN OIL LIBYA:

HAZARDOUS MEDICAL WASTE

TREATMENT & DISPOSAL

SYSTEM IN PREPARATION



USED LUBRICATING OIL COLLECTION

FARIS AL KHALIJ LIBYA:

- COLLECTING USED OIL FROM GAS STATIONS, GARAGES, COMPANIES & INDUSTRIES SINCE 1994
 - COLLECTING WASTE HYDROCARBONS FROM INDUSTRIES & OIL COMPANIES
- 
- A stylized, dark teal mountain range graphic is located in the bottom right corner of the slide, partially overlapping the text area.

NORM (NATURALLY OCCURRING RADIOACTIVE MATERIALS):


GREEN ENVIRONMENT LIBYA

- LIBYAN OIL INDUSTRY
NORM SURVEY CONTRACT
WITH PETROCANADA
- PREPARE NORM WASTE CLEANING,
STORAGE & HANDLING FACILITIES

RECYCLING PLANTS IN LIBYA:

- RUBBER TIRES
 - PLASTIC
 - SCRAP
 - PAPER
 - WOOD
- ACID BATTERIES
 - (GLASS)

EXPORT FOR RECYCLING:

- USED LUBE & WASTE HYDROCARBONS
 - DRY BATTERIES
 - ELECTRONIC SCRAP
 - NEON/MERCURY LIGHT SOURCES
 - PRINTER CARTRIDGES
 - CATALYSTS
 - BASED ON BASEL CONVENTION
AND WASTE PRINCIPLES
- 
- A stylized, layered mountain range graphic in shades of teal and blue, located in the bottom right corner of the slide.

THE EARTH IS IN
YOUR HANDS



THE EARTH IS IN
YOUR HANDS

PROTECT IT WELL
FOR ALL OUR
CHILDREN



THE EARTH IS IN
YOUR HANDS

PROTECT IT WELL
FOR ALL OUR
CHILDREN



THANK YOU FOR ALWAYS REMEMBERING THIS

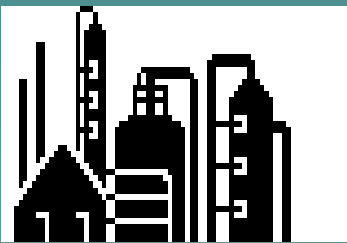
ENVIRONMENTAL LOOP FOR LUBRICANTS (CRADLE TO GRAVE) IN LIBYA

USERS:
INDUSTRY, TRADE
& CONSUMERS

Lube Oil
70,000 mt



100 %

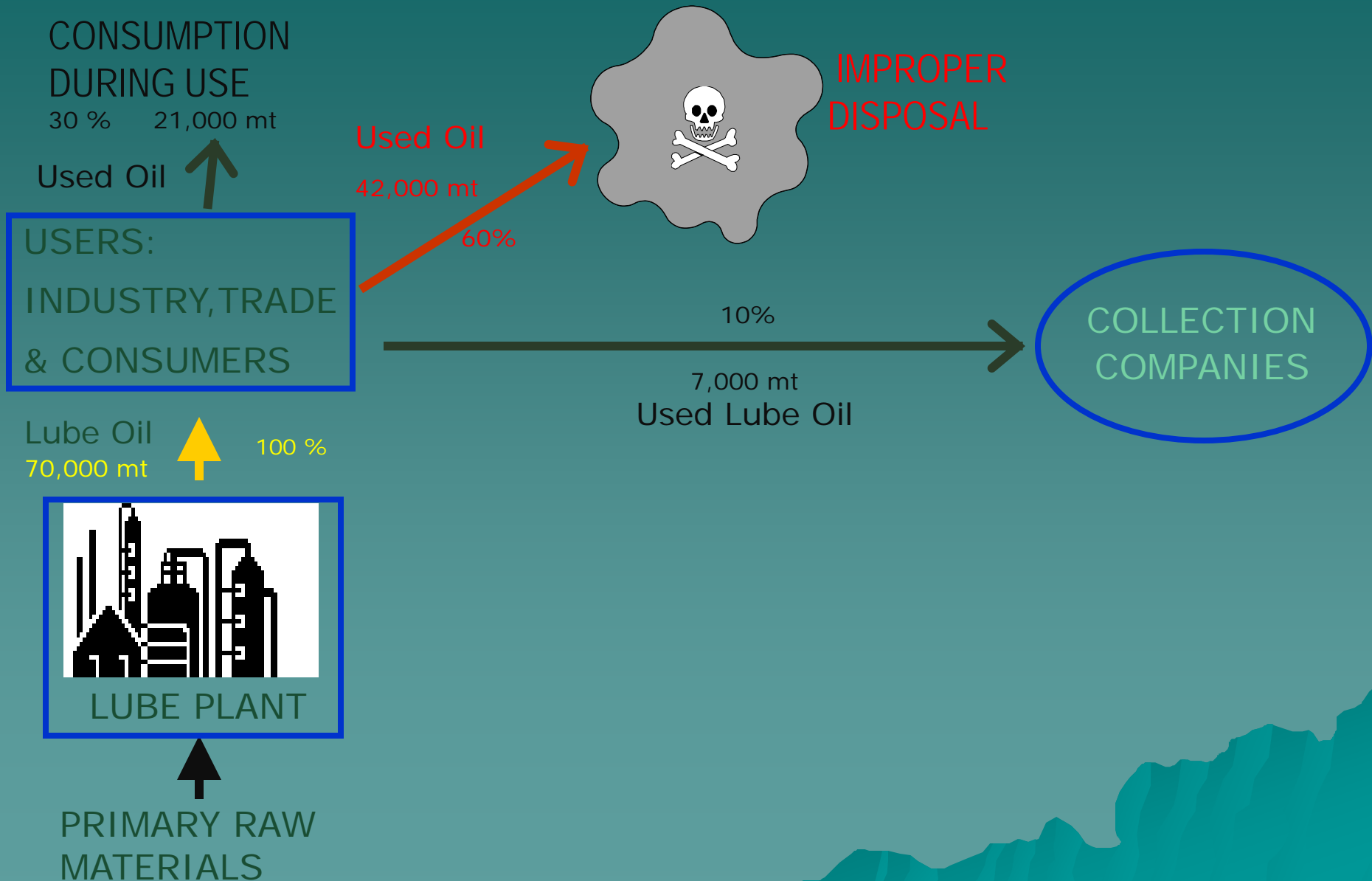


LUBE PLANT

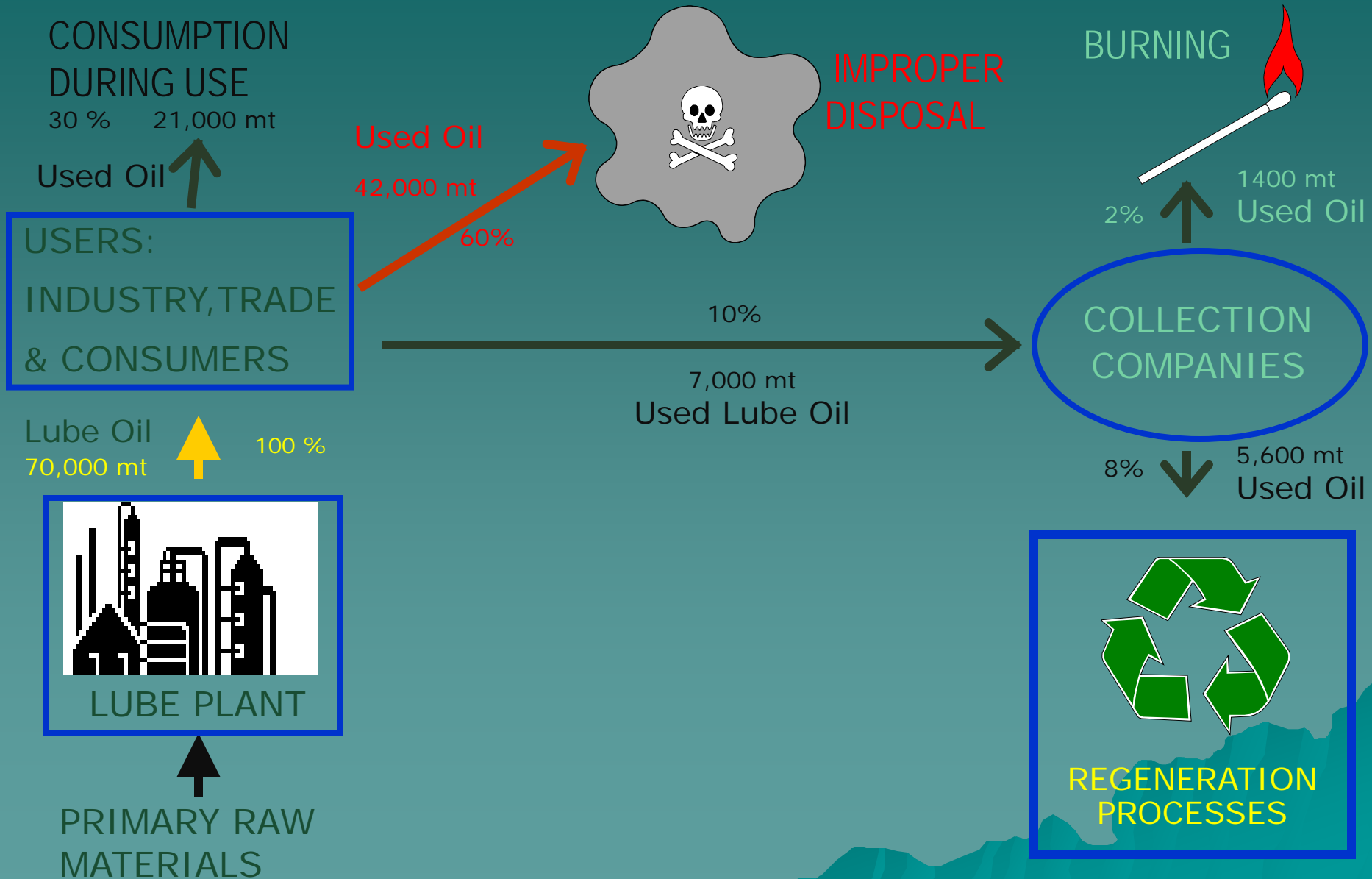


PRIMARY RAW
MATERIALS

ENVIRONMENTAL LOOP FOR LUBRICANTS (CRADLE TO GRAVE) IN LIBYA



ENVIRONMENTAL LOOP FOR LUBRICANTS (CRADLE TO GRAVE) IN LIBYA



ENVIRONMENTAL LOOP FOR LUBRICANTS (CRADLE TO GRAVE) IN LIBYA

