Productivity through cleaner production
LOOK INDIRA...

...WE HAVE SIGNALS INDICATING INEFFICIENT USE OF RESOURCES

LET'S IDENTIFY IN WHICH SPECIFIC AREAS!

OH NO!

THERE IS A LOT OF WATER WASTE...

AND A MISUSE OF ENERGY IN MY WORK AREA...

I WILL IMMEDIATELY LOOK FOR OUR SUPERIOR

WAIT FABRI, BY REVIEWING MY PRODUCTION PLANS I THINK THAT WE CAN IDENTIFY OPPORTUNITIES FOR IMPROVEMENT THROUGH CLEANER PRODUCTION (CP) IN OUR ENTERPRISE.

DO YOU MEAN THIS IS A NEW CHALLENGE FOR THE EIT TO MAKE AN EIP FOR CP?

HAHAHA! THIS IS A GOOD PLAN FABRI - YOU USED MANY ACRONYMS!
GOOD DAY TEAM, WE HAVE GATHERED YOU TO INITIATE A NEW PHASE OF IMPROVEMENT.

OUR MISSION IS TO IMPLEMENT MODULE 3 OF THE SCORE TRAINING: “PRODUCTIVITY THROUGH CLEANER PRODUCTION”

MISSION ACCEPTED BY THE ENTERPRISE IMPROVEMENT TEAM!

THIS MEANS THAT THE MISSION’S OBJECTIVE IS THE EFFICIENT USE OF RESOURCES, REUSE AND RECYCLING, CLEANER AND MORE EFFICIENT ENERGY USE...

...AND AS A RESULT AN INCREASE IN PRODUCTIVITY.

AND THIS MEANS WE MUST WORK HARDER.

NOT NECESSARILY INDIRA, IT MEANS THAT WE MUST WORK IN A SMARTER WAY.

LET US CONSULT WITH SCORE ON THE SORT OF STRATEGIES WE CAN USE TO INITIATE OUR NEW PROJECTS.

WE ALREADY KNOW WHAT TO DO TO CALL SCORE.

SCORE WE HAVE AN OPPORTUNITY FOR IMPROVEMENT!

GOOD DAY SCORE, WE NEED YOUR SUPPORT AGAIN AS WE WISH TO INCREASE THE PRODUCTIVITY OF OUR ENTERPRISE THROUGH CLEANER PRODUCTION.

CP ALSO COMPLEMENTS EFFORTS TO IMPROVE LABOUR PRODUCTIVITY BY CREATING A HEALTHY WORKING ENVIRONMENT FREE OF CHEMICAL HAZARDS AND CONTAMINATION. TO ACHIEVE ITS OBJECTIVES, CP USES A WIDE RANGE OF TOOLS AND METHODS.
I have brought you a toolbox for the implementation of your improvement projects related to Module 3. This will enable you to reduce pollution, resource consumption, and improve productivity.

Thanks score, we want to see what you’ve got in that box.

I have brought simple and very useful tools to implement cleaner production in the enterprise.

Can you explain to us how implementing CP will improve productivity?

Later in the training room, Score explains CP to the EIT.

CP extends well beyond technical fixes...

It is an integrative view of the issue, which takes into account various aspects that can be improved...

It focuses on necessary actions to prevent the generation of waste and misuse of resources throughout the enterprise.

And how can we identify the areas that can be improved?

The implementation of cleaner production consists of three main aspects:

1. Clean and efficient energy: Maximize productivity while minimizing pollution.

2. Prevention and minimization: Avoid the production of waste and ensure the efficient use of resources.

3. Reuse and recycling: Recovering materials and waste for productive use.
Score, can we use the resource reduction strategies that you carry in your toolbox?

Strategies to reduce energy use
- Clean energy sources
  - Use of on-site renewable energy sources (wind, solar, etc.)
  - Combined heat and power production (co-generation)
  - Use of cleaner fossil fuels for on-site combustion (natural gas)
  - Purchase of low-carbon electricity
  - Switch to vehicles that use cleaner fuels (electric, NGV, etc.)
- More efficient equipment (motors, devices etc.)
- Better coating and insulation of buildings
- Energy management systems
- Improved air conditioning and lighting (use of natural lighting or LED)
- Work practices that conserve energy

Strategies to reduce water use
- Measure water use
- Identify and fix water leaks
- Reduce water use (use only what is needed)
- Employ water reuse practices

Strategies to reduce materials use
- Reduce scrap
- Reduce unused materials
- Reuse of by-products
- Dematerialize product design
10 WEEKS LATER

THANKS SCORE!

LOOKING AT ENTERPRISE PRODUCTIVITY FROM A CLEANER PRODUCTION APPROACH...

HAS IMPROVED THE OVERALL BUSINESS ENVIRONMENT.

OUR OPERATING PROCEDURES HAVE BECOME STANDARDIZED AND WE HAVE ESTABLISHED MAINTENANCE PROCESSES THAT ARE SELF-SUSTAINING.

COST SAVING PROGRAMMES DEVELOPED TO REDUCE AND REUSE ENERGY, WATER, AND MATERIALS ARE A SUCCESS.

INFORMATION PANEL

FACILITATING A BETTER COMMUNICATION BETWEEN MANAGEMENT AND WORKERS HAS HELPED TO IMPROVE TRAINING, COMMUNICATION AND CONSULTATION PROGRAMMES.

AS A RESULT OF TEAMWORK, THE ENTERPRISE HAS MANAGED TO REDUCE COSTS RELATED TO ITS PRODUCTION PROCESS, ENABLING A HEALTHY AND ENVIRONMENTALLY RESPONSIBLE WORKPLACE. THERE IS NOW A MORE EFFECTIVE USE OF RESOURCES.

ONCE AGAIN, BOTH ADMINISTRATIVE AND OPERATIONAL STAFF HAVE JOINTLY MANAGED TO IMPROVE THE ENTERPRISE FOR THE BENEFIT OF ALL.