

CDTN visit

The Nuclear Technology
Development Centre and its many
wonders

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The CDTN – What? Why?

- As we arrived, we had a lecture about CDTN's history, purpose and actions.
 - The Nuclear Technology Development Centre was inaugurated in the 1960's.
 - Its purpose is to develop nuclear tech for peaceful purposes, safely.
 - They work a lot with industrial production and medicinal treatments



The CDTN Installations

- In its big area, which was given by the government, the CDTN has over 60 laboratories and installations, each one of them with a different purpose.
- Some of them are:
 - A small nuclear reactor
 - A gamma irradiation building
 - A cementation laboratory



First stop – Cementation Laboratory

- In this lab, a group of scientists works hard to find new ways to deal with radioactive waste, in order to make it harmless and easy to transport and store.
- The main method for this is to solidify them in the middle of blocks of cement, a mixture which is able to block radiation and resist most types of impact and adversity.

Second Stop – Gamma Irradiation Laboratory

- Our last stop was the place where one of the most misunderstood activities of the CDTN goes on: there, they use radiation to make food, gems and even donated blood better for its uses.
- Many people fear this because they think it will make them sick, but it actually avoids many health problems or helps treat them.



Conclusion

- The field trip to CDTN was the best one we have had so far.
- We couldn't visit everything that was there, which shows yet again the scale of CDTN. This incredible place was a great source of knowledge and made many of us wish to know more about the huge power of radioactive materials.

