## **Introduction Blockchain Basics**

*Precondition*

Before start check out:

You have read and understood

* Hashing and
* Encryption by public/private keys

If not look it up later.

*The mission*

In this lesson we will:

Introduce the concepts of Blockchain

Discuss Bitcoin

See some real miners in action

Introduce the mandatory project on Blockchain

*Outcome*

After this lesson you have learned about:

Blockchain concepts

What is a blockchain?

What is a block and what is inside a block?

Security by hash and proof of work

Transaction and signature

Temporary fork and hard fork

Bitcoin and attacks on e-coins

*Next step*

Its time for some assignments:

Discuss and answer theoretical questions in the assignment *“Blockchain questions“*

Read the mandatory assignment *“Blockchain Mandatory Assignment”*

Decide which mandatory assignment you want to do and with whom !