

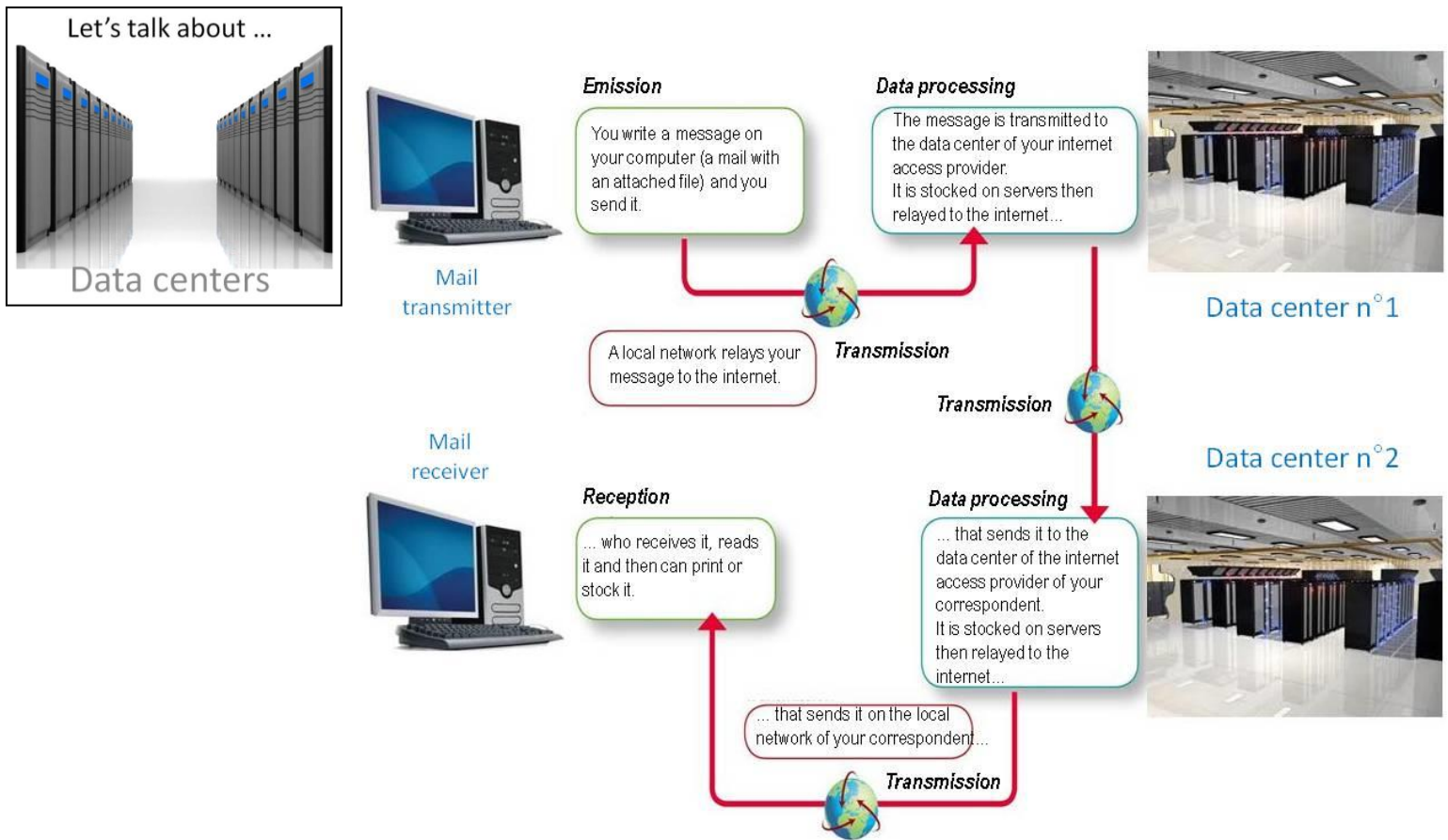
*Section
européenne*



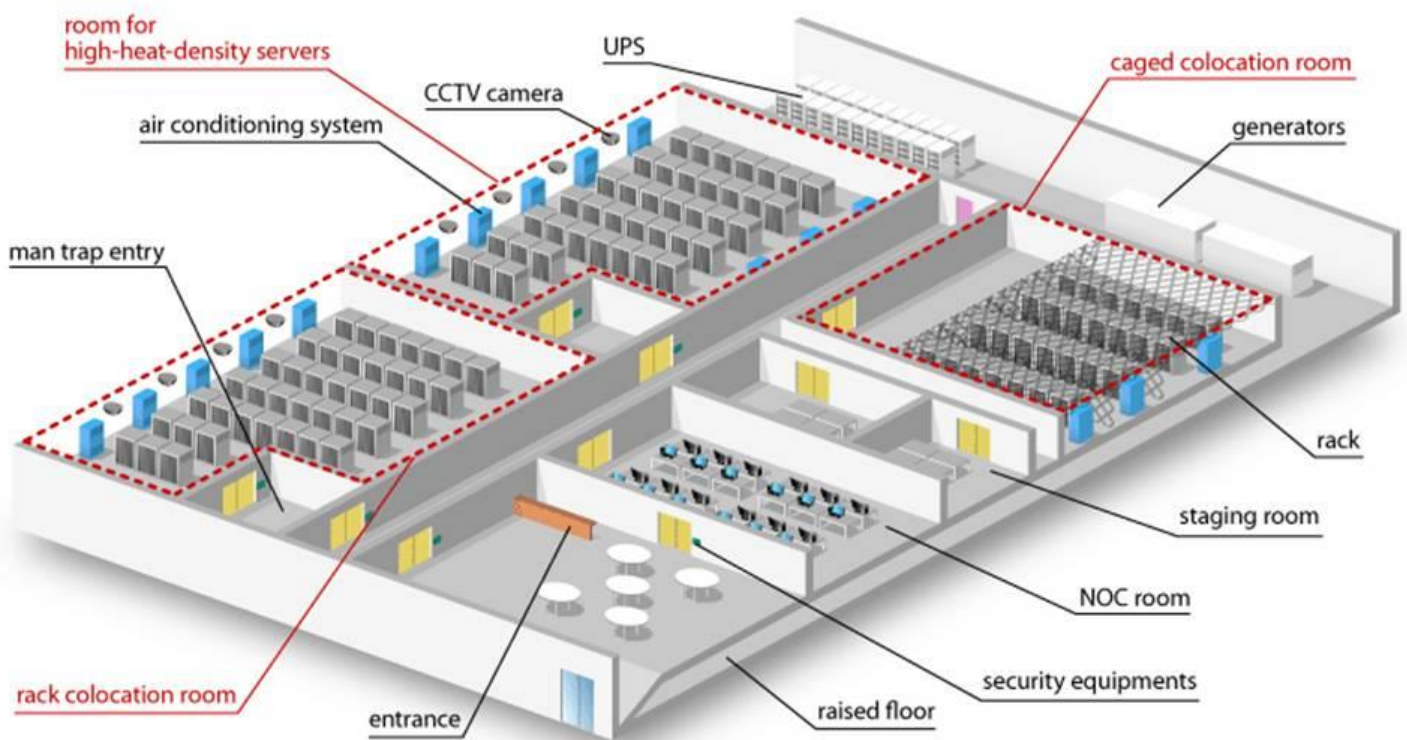
Exemples d'activités

Première
et Terminale
STI2D

Discussions interactives à partir de diaporamas



Global architecture of a data center



Ecoute et compréhension de vidéos

Let's talk about ...



DC motors and generators

1. Listening

Please watch carefully the video clip :

"How to make an electric motor produce electricity".

Then try to answer the following questions.



1.1. What is this presentation about ?

1.2. What are the basic components of an electric motor ?

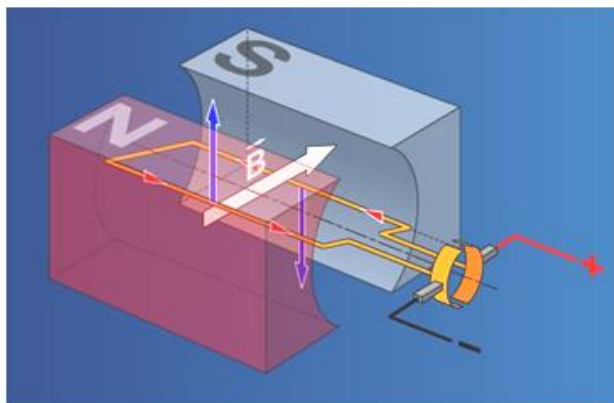
2. Operating principle and constitution of a DC electric motor

2.1. Please indicate where are the following components on the picture below :

magnetic field

magnets

coil



electric current

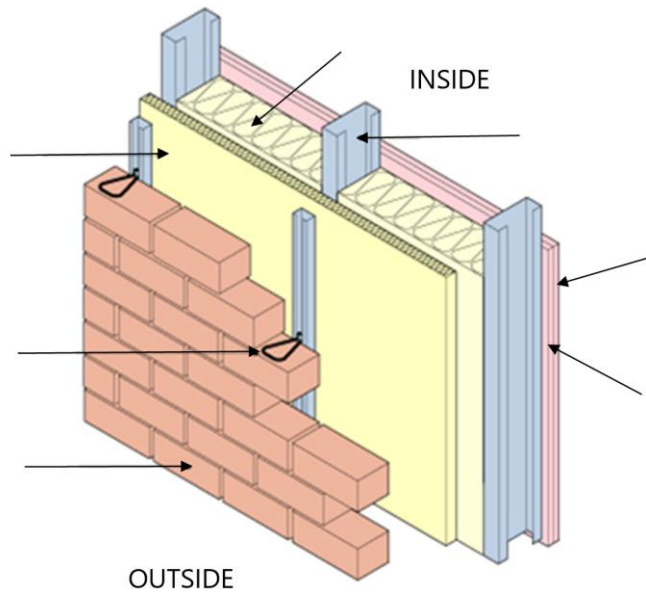
battery

motion force

2.2. Complete this little text by using the six previous expressions :

" The two permanent generate a When a is connected to the rotor, that makes an pass through the and induces a second The reaction between the two magnetic fields makes a appear.

Recherches sur la réhabilitation d'un habitat



Brick external wall

Insulated board

Mineral wool

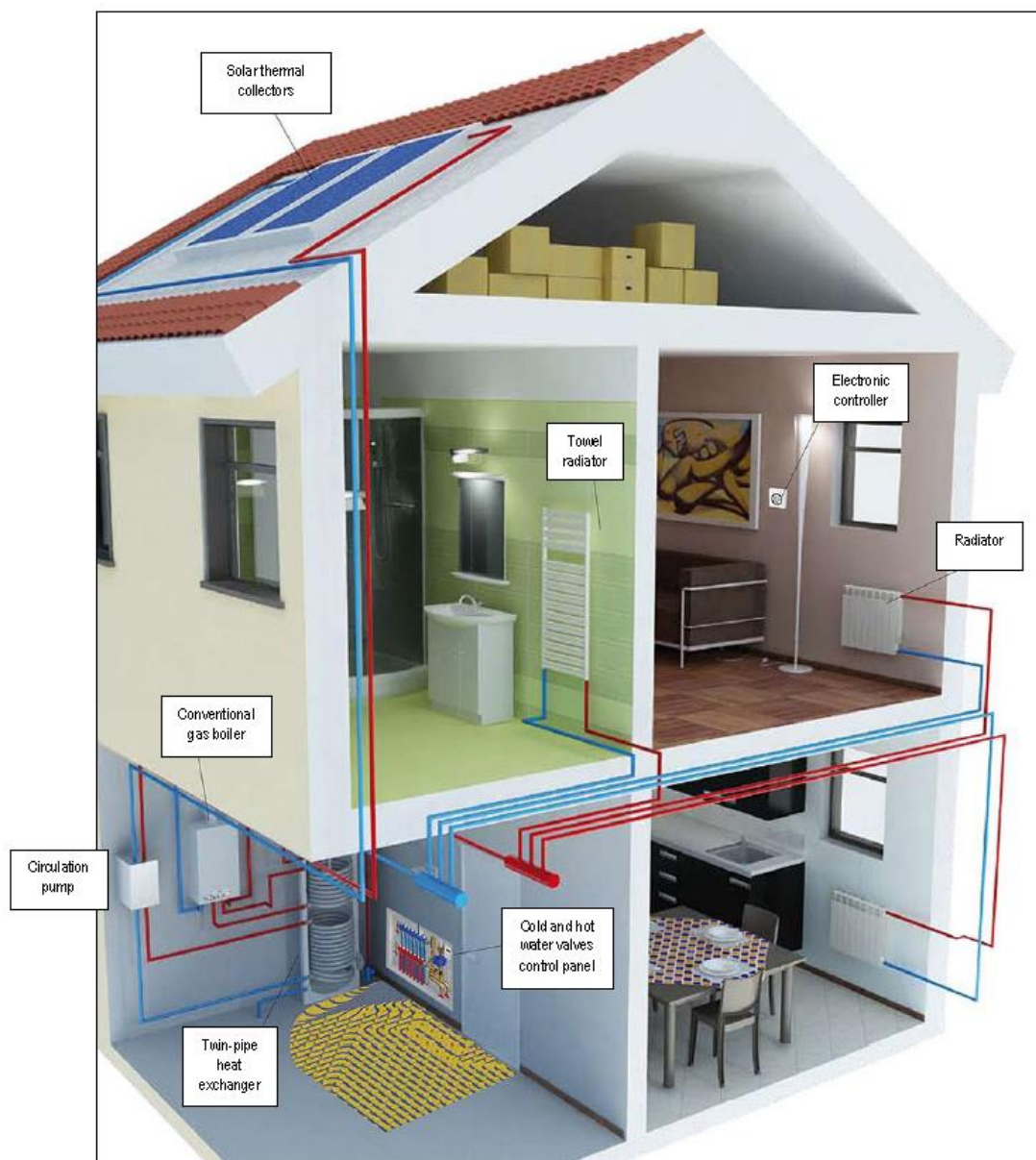
Vertical steel frame

Fire resistant covering plasterboard

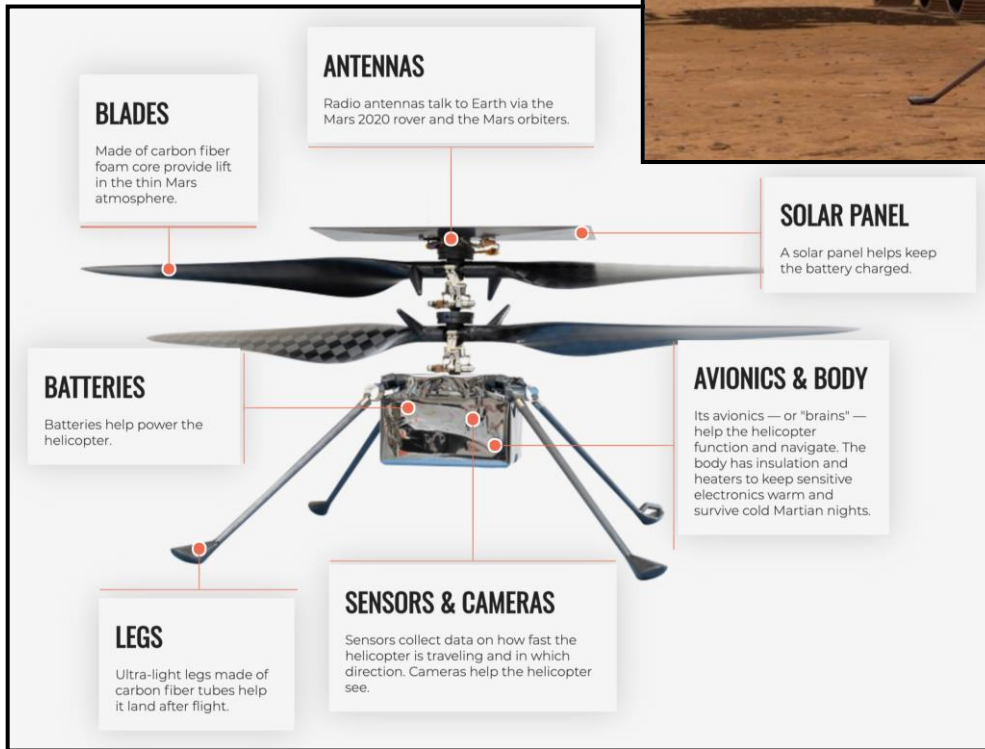
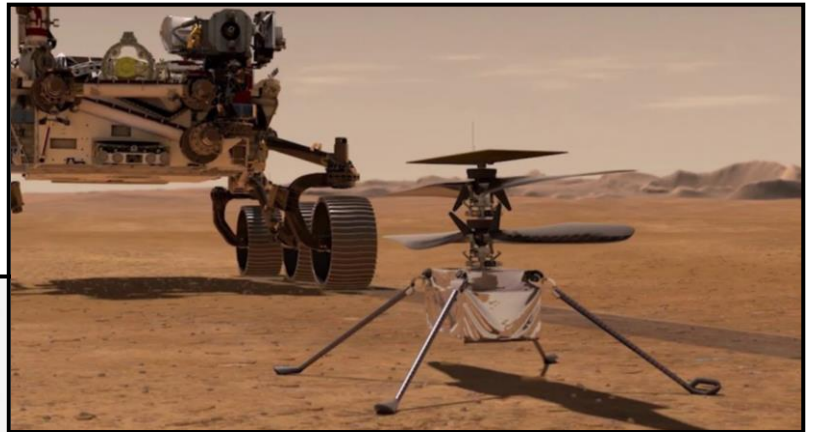
Vapor barrier

Wall ties

Sustainable heating system and thermal insulation of homes



Ingenuity



Why was the Big Belly computer simulation useful to designers ?



Picture 1



Picture 2

Picture 3

