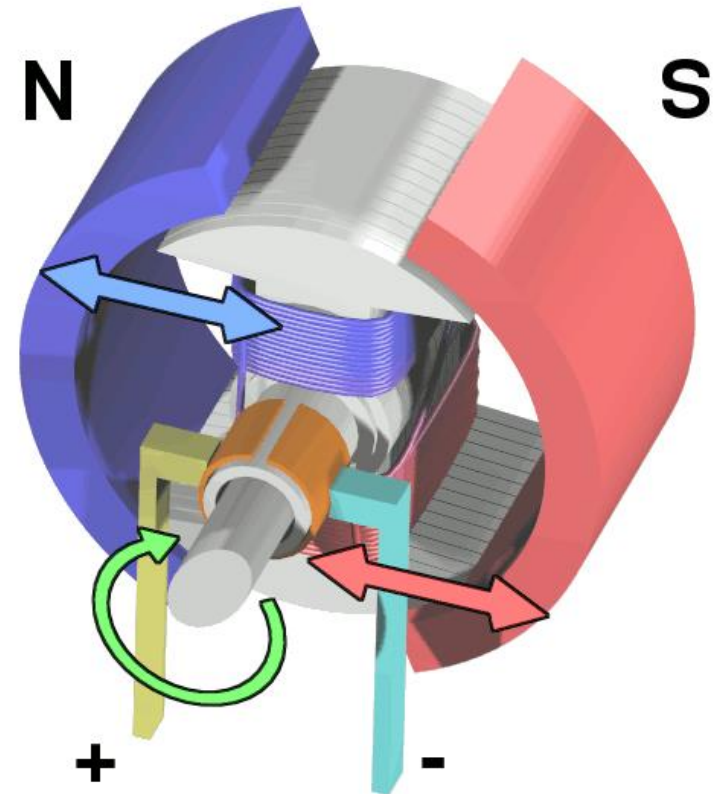
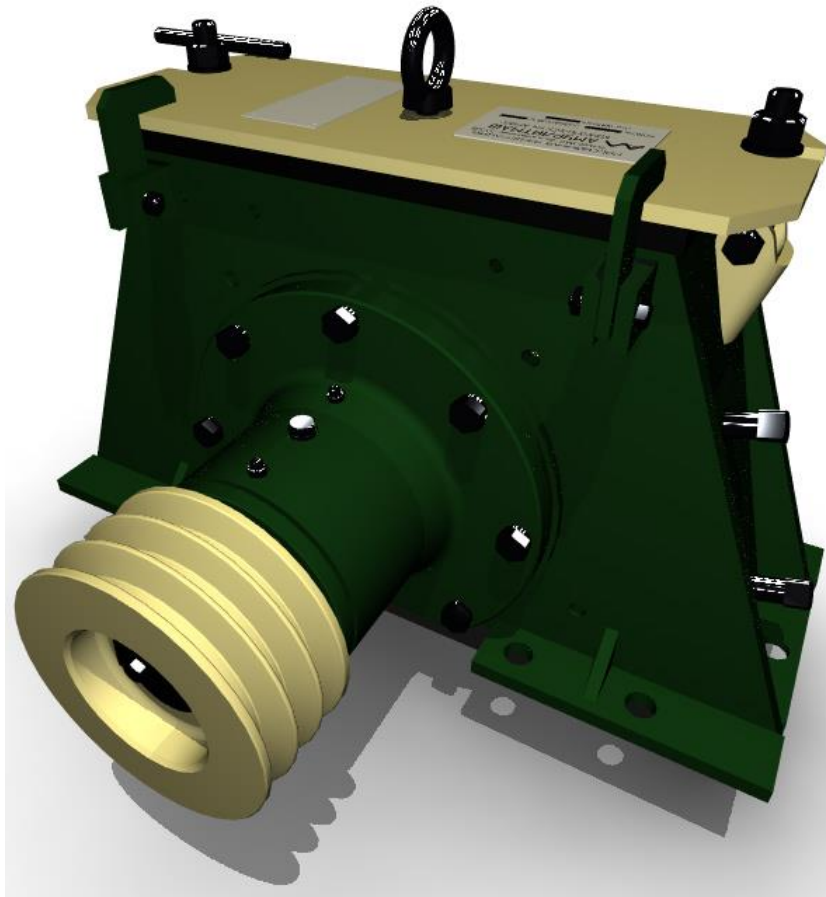


When creating heavy-duty turbogenerators, a strong electromagnet is installed above the turbogenerator...

WHY?





Inside surface of Shot-blasting apparatus is lined with plates, which are made in the form of magnets, holding a protective layer of shot on its surface. On the walls of the apparatus appears - What? Why?



A group of employees of the Leningrad mining Institute has developed and successfully applied a simple device that allows to increase the productivity of mine locomotives: a powerful electromagnet is mounted in the driving wheels.

What the contradiction is resolved?

The electric motor built into the hub of the front wheel does not work independently, but it is connected when the bicyclist presses the pedals.

WHY?

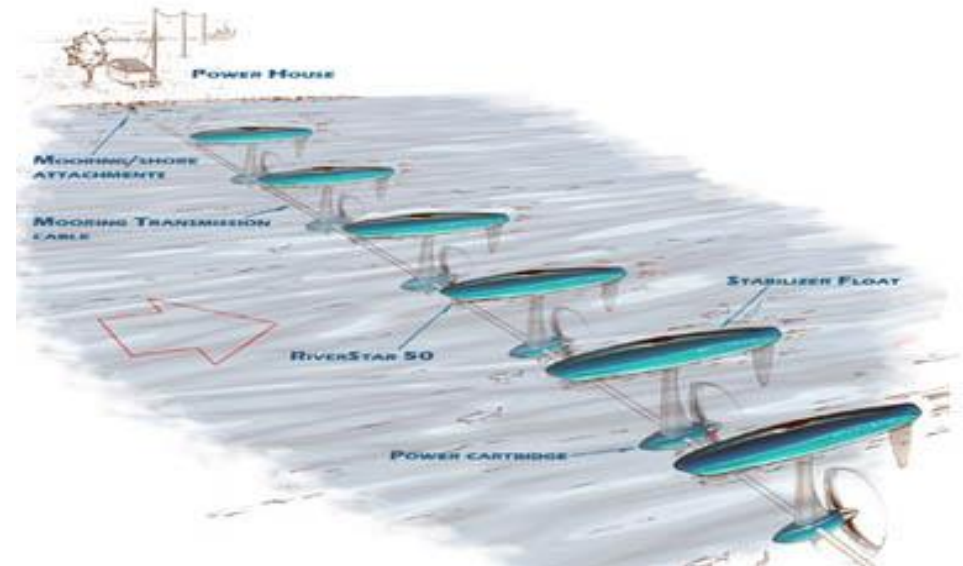
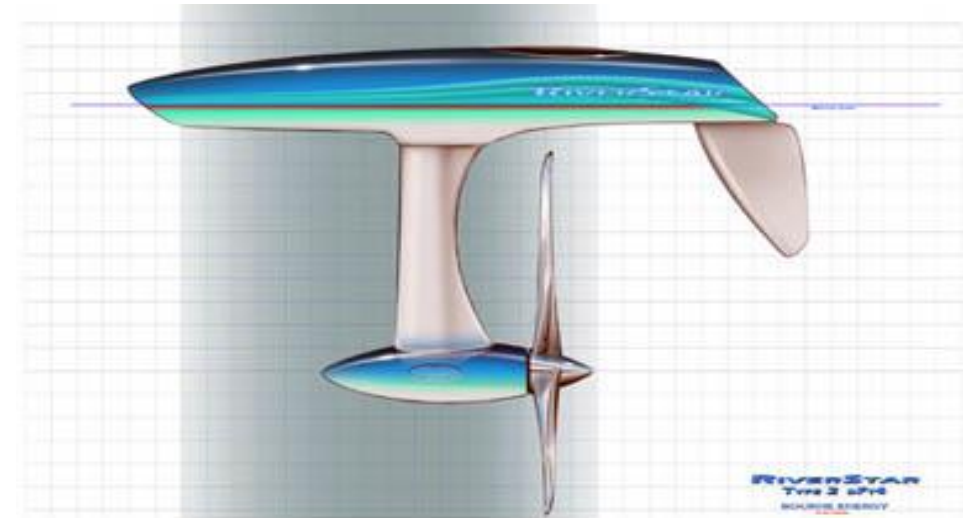


RiverStar modules

Mini-modules, being in the river bed with a flow rate of 4 knots, are capable of producing up to 50 kW.

Purpose?

Principle?



Principle of operation? Principles?



The reactor casing is double, it is arranged on the principle...

WHAT?

WHY?

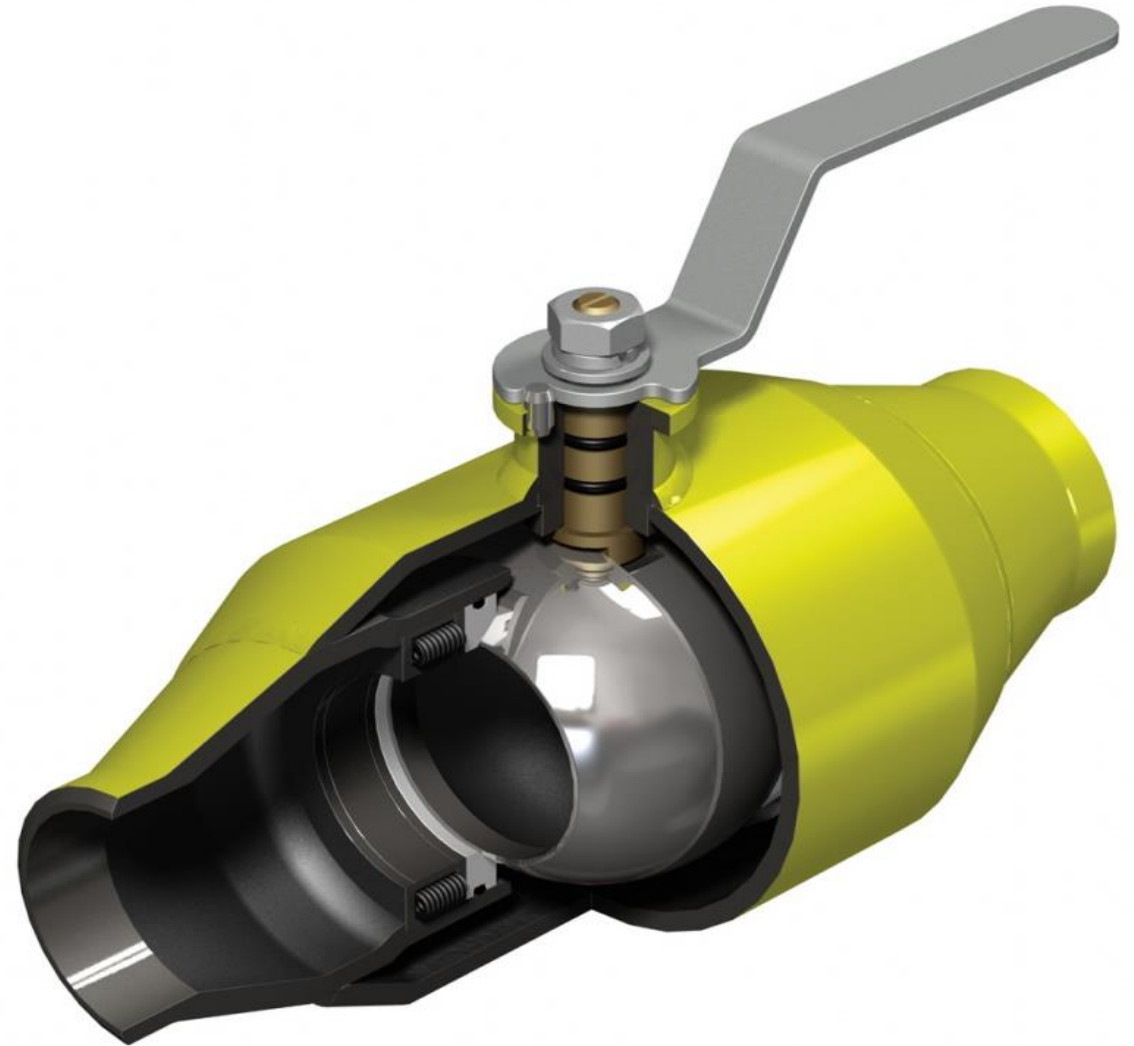


Principles?



- Ball valve, installed on both domestic and industrial pipelines

Principle?



Principle?

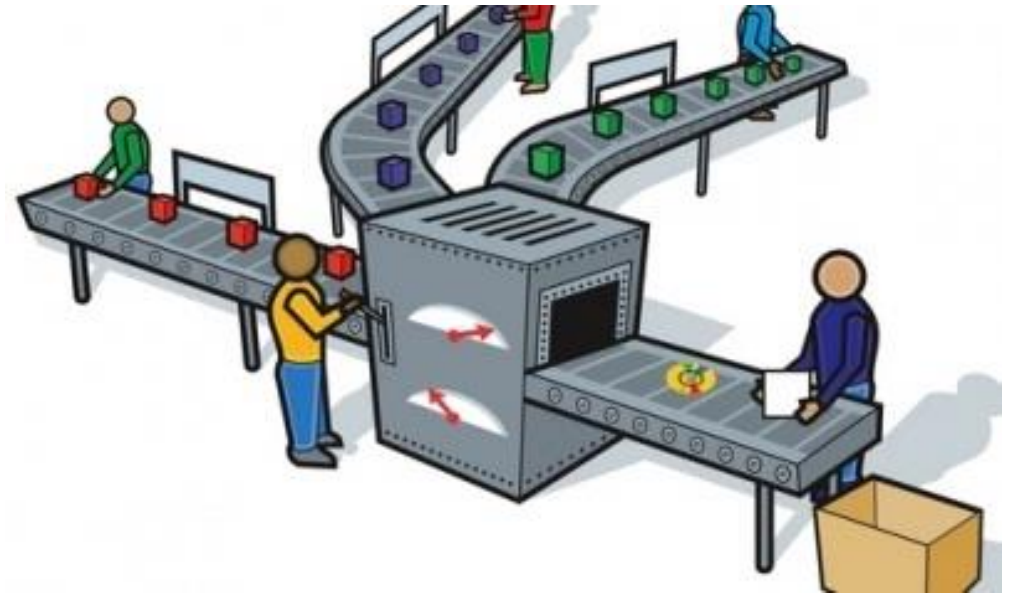
Rocket dropping stages for – what?



The method of automatic start of the conveyor

It is measured the power consumed by the conveyor motor during operation, fix it at the time of stopping of the conveyor and the received signal, inversely proportional to the weight of the material on the conveyor, is fed to the starting motor at the time of the conveyor starting.

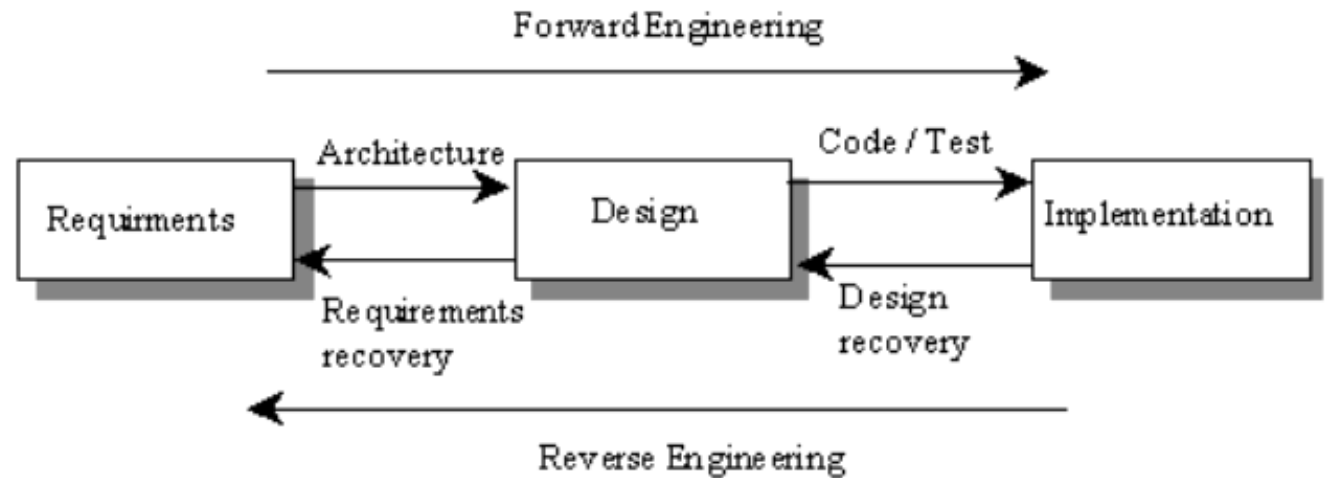
With purpose-WHAT?



Reverse engineering

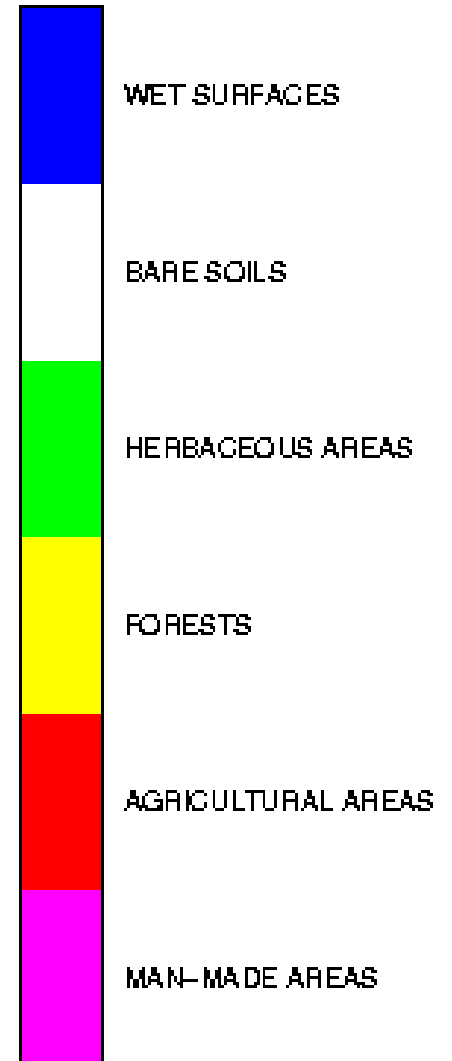
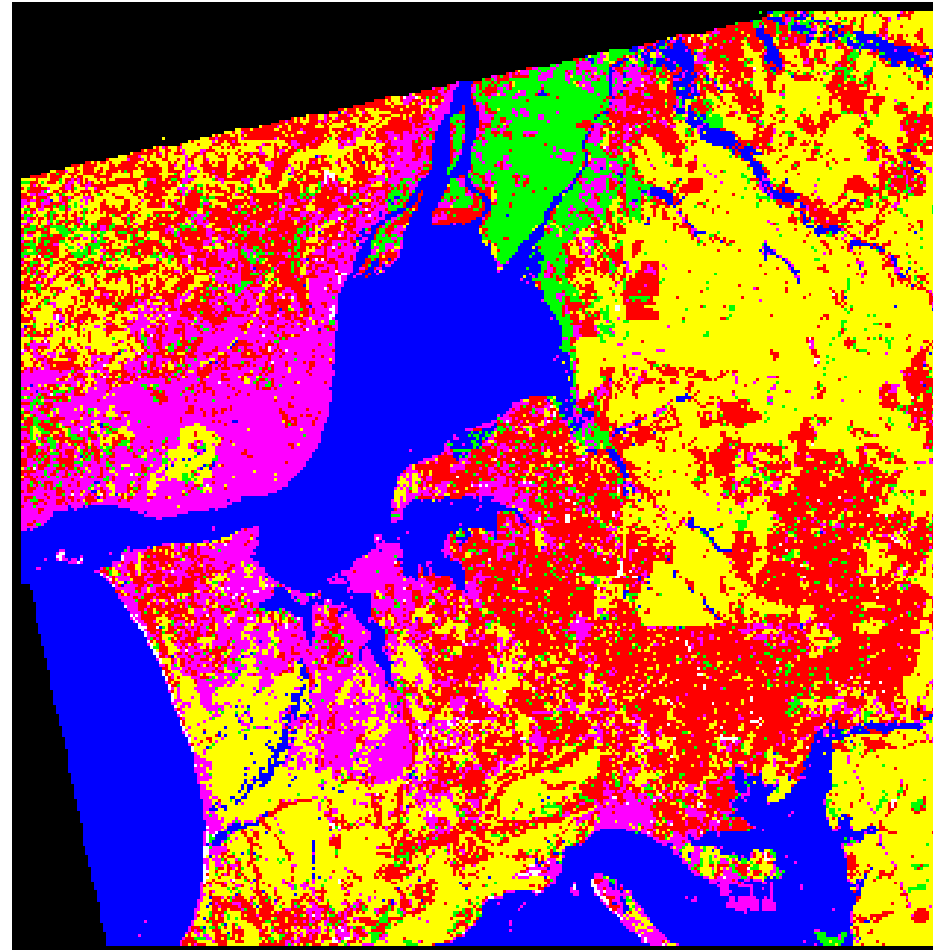
One way to develop a software product is to use the reverse engineering method.

SOFTWARE architecture is developed not from scratch, but with an eye on the architecture of an existing product (previously developed SOFTWARE)



Classification of space images

- Classification or clustering is used to automate the division of objects in Cosmo or aerial images into classes
- In this case, the objects of each class are painted with a certain color depending on what class they were assigned to



PRINCIPLE?

- A method of supplying electric current to a liquid metal, characterized in that the **purpose – what?** - the current to the base metal is supplied by cooled electrodes through an intermediate liquid metal, the melting point of which is lower, and the density and boiling point is higher than that of the base metal.

System for
transportation of goods
in a storehouse



Principle?

Graphite rods (neutron retarders):

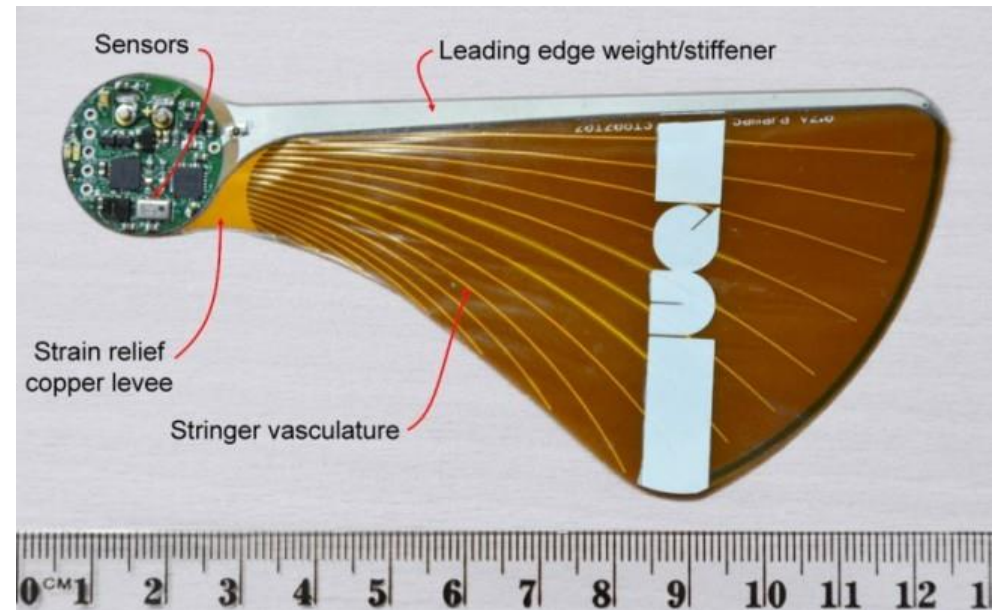
in the event of an accident associated with energy release in the reactor core

an emergency termination of the chain reaction is provided, carried out by dropping special emergency rods or safety rods into the core

A team of robotics company from Australia has created a small drone, the purpose of which is to alert rescue services about the occurrence of forest fires.

They are made of biodegradable material

Principle?



U.S. patent No. 3435875

Asymmetric pneumatic tire has one sidewall increased strength and resistance to impact on the curb stone of the sidewalk

