

State Autonomous Professional Educational Institution
Kuzbass pedagogical college

Builder - yesterday, today, tomorrow

BELYAEV RODION 1706



“You can dream, create,
design, and build the most
wonderful place in the world.
But it requires people to make
the dream a reality.” – Walt
Disney



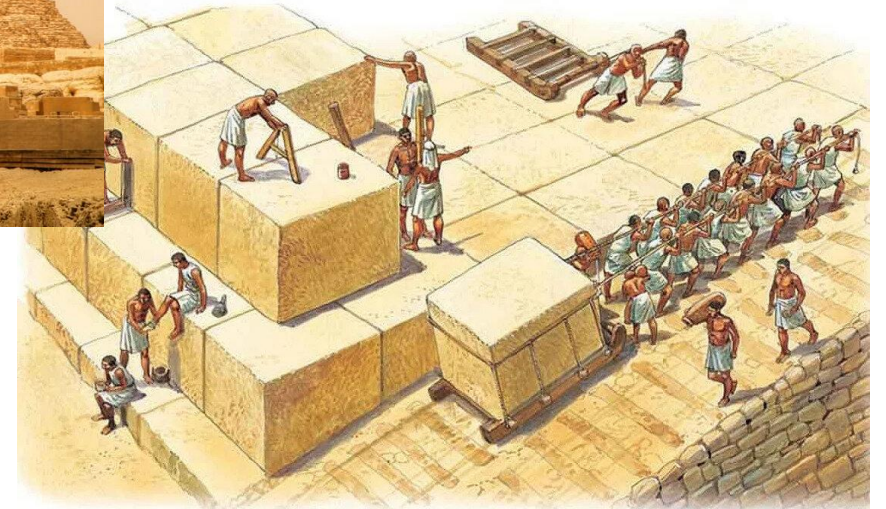
The world is a big building. Every day somewhere one building is demolished and another is being built. It takes much less time to demolish the building than to build it. Therefore, there is such a profession as a builder.



Man has always been a builder. The kind of house he built depended upon the climate and upon the building materials at hand.



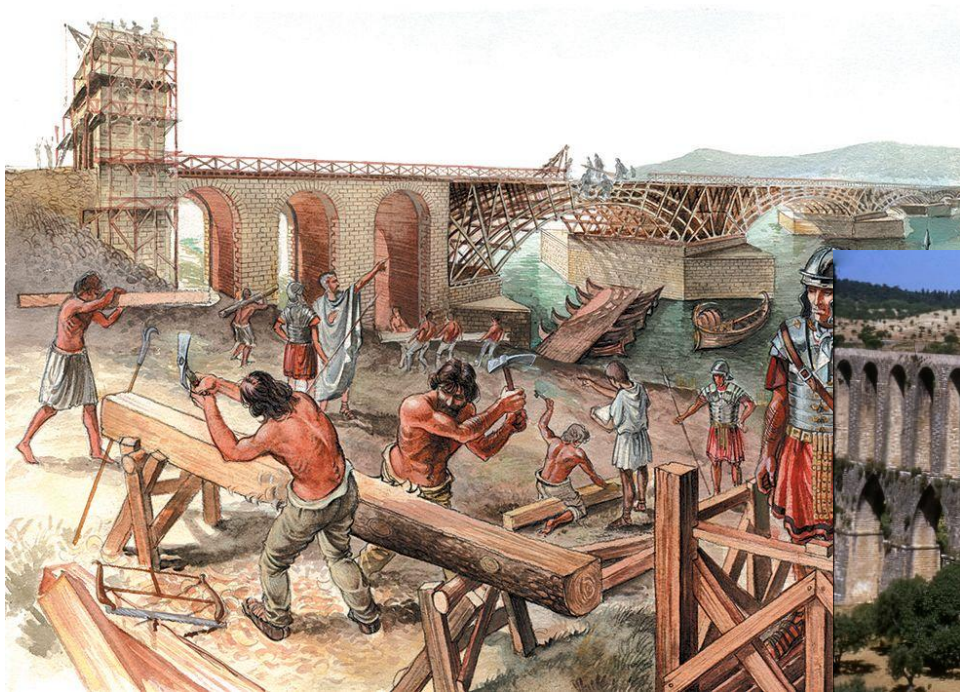
Later people began to show creativity in construction. So in ancient Egypt, without equipment and skills, architects and builders were able to build colossal structures that have survived to this day.



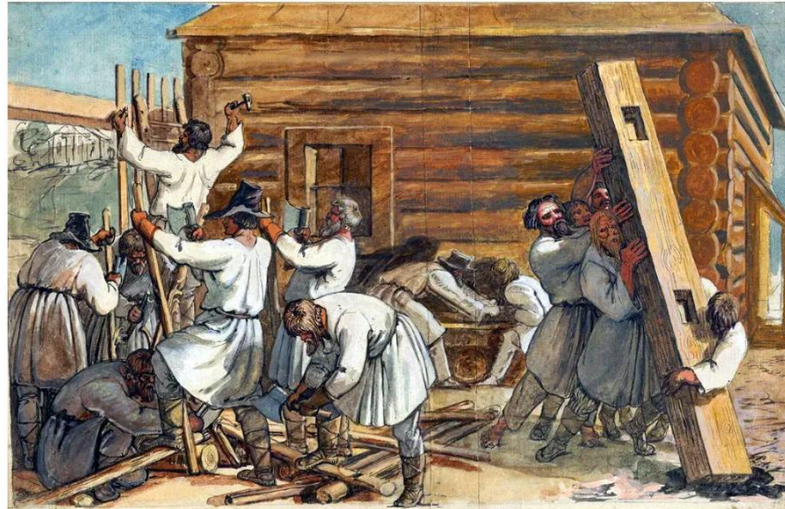
The ancient Greeks also understood the art of building with cut stone, and their buildings were beautiful as well as useful. They often used pillars, partly for supporting the roofs and partly for decoration.



The Romans were great bridge, harbour and road builders. In road works the Romans widely used timber piles. They also erected aqueducts, reservoirs, water tanks, etc. A lot of things and technologies still work nowadays.



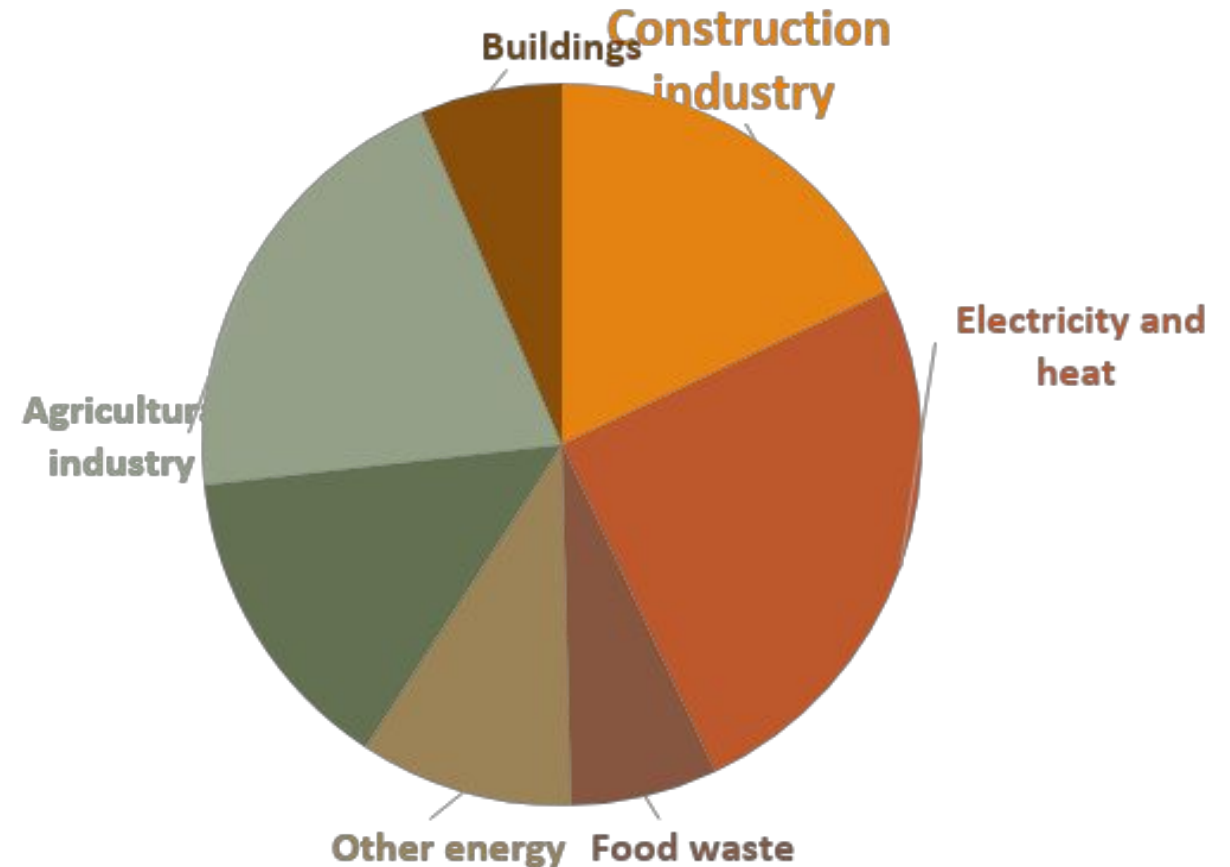
The most ancient homes on the territory of Rus were earthen houses. In Rus, wooden beams were often used to create izbas, window platbands etc



A very advanced construction technique today is the use of precast reinforced concrete. It has many advantages over other building materials. Precast building units can be assembled at the site, the main part of the work is done at the factory.



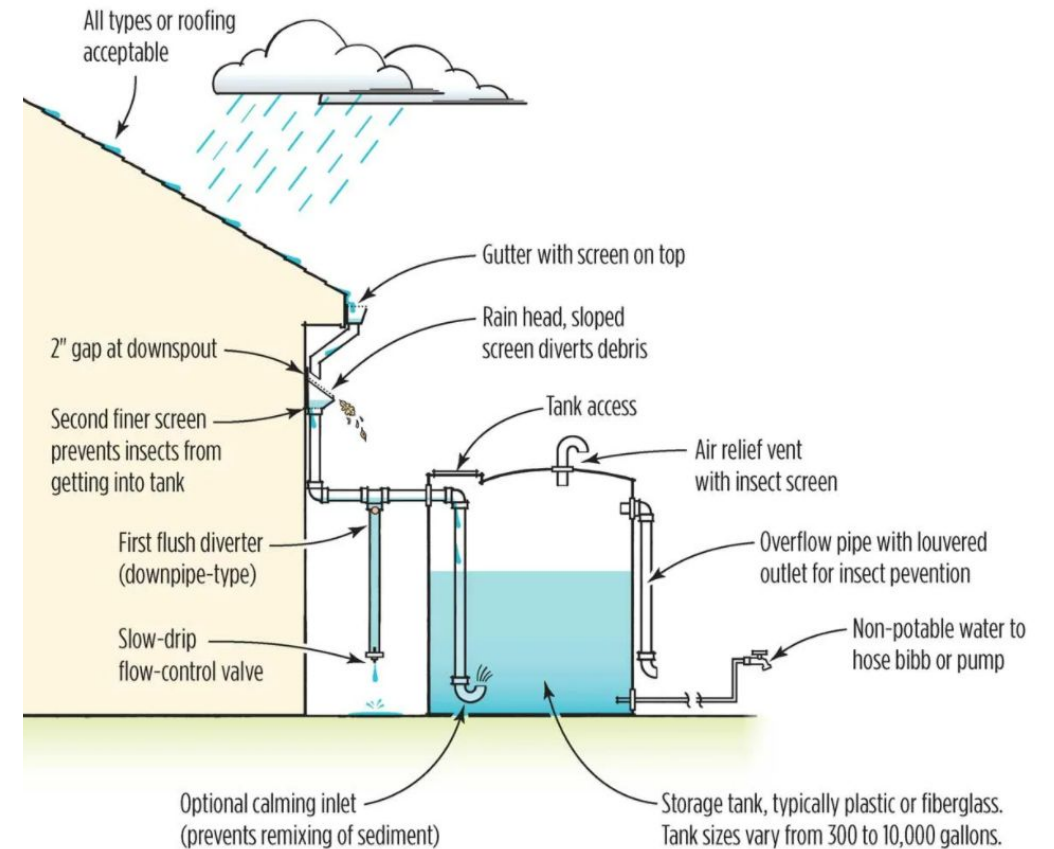
The construction industry is harmful to the environment. It is one of the largest contributors to greenhouse gas emissions. According to some studies, buildings are responsible for 18% of total emissions globally.



I think, the future of building sphere is green construction. It is the environmentally-conscious construction (and operation) of buildings. We can use low-rise buildings that consume less energy than skyscrapers.



The priority must be given to eco-design and the use of natural, recyclable materials available in the local area, the minimization of water consumption by designing rainwater collection systems, the design of green roofs, etc.



The use of modern technologies of green building will help create high-quality, healthier and more eco-friendly homes.

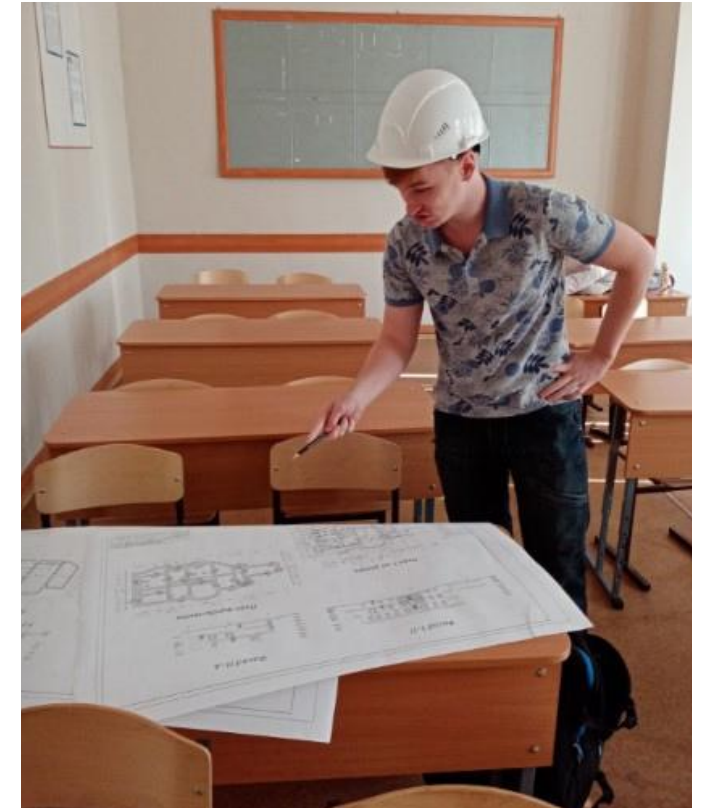
Low-rise residential housing is one of the ways for the development of the sustainable construction in Kuzbass.



Cottage villages Silver Pine Forest and Bullfinches in Kemerovo, Seventh Heaven in Novokuznetsk, Miner in Kiselevsk and about 30 low-rise housing areas in Kuzbass make our region one of the Russian leaders in this eco-friendly low-rise construction sphere.



I believe that low-rise buildings are our future. I want to become a low-rise construction specialist and there will be done a lot of effort to make it my main way to earn for living after the graduation from university.



Sources

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