Hello, I’m Vasiliy Dunaev, \*I’m Alexander Morozov and we represent Saint Petersburg PML 239.

Our project is named UNOBTANIUM .\* UNOBTANIUM is common designation of super-expensive material that doesn’t exist on Earth, but it exists on other planets. This material has various unusual properties, such as antigravity. Due to these properties, it is very much appreciated on the Earth.

\*Expeditions to other planets for usual materials are too expensive, but expedition for unobtanium will repaid with interest.\*

We created the project showing the process of mining, collecting, sorting, transport of unobtanium. And we can also showing the process of load up unobtanium. After than unobtanium is taken out of the planet, the robot collector comes. It collects rocks from the surface and then takes them to the sorting machine. In the machine they moves along the conveyor and then are sorted on unobtanium (red cubes) and rocks (grey cubes) that are not send to Earth. Red cubes are pushed off the conveyor into the container, and grey continue to move along the conveyor. Then they get to be loaded in the standing truck. The truck moves by the rail and arrives on loading. The hatch window is opened, and blocks fall into a container standing on a truck. Then the truck moves by rail and comes to railway point, and then goes to unloading. The container is removed from the cart and emptied. These rocks supposed to be used for creating buildings : houses for people, who will work on the planet in the future. All components of railway work completely mechanically. The cart is equipped with a system that allows it to move in both directions, due to switch of the axle. Each railway junction has a buffer that switches the axle. Due to this, the truck can be operated in a cycle, unobtanium is put from the container and lifted to the rocket, and then sent to the Earth.