The video from the camera is shot and rendered in Corona render 1.7.4. Adobe Premiere Pro is used for video editing, the program is a professional platform for high-quality audio and video editing.

For testing the product, a comparison of the scale of the objects and the scene with the real ones takes place. Taking into account their location and quality based on the wishes of the customer. Also tested the capabilities of the 3D model and new scripts.

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ARCHITECTURE OF CLUSTER STATE MONITORING SYSTEM

The cluster system requires monitoring tools that can monitor the state of the cluster, take the necessary measures to restore data in case of a temporary failure of one of the computing systems. So, the development of a cluster monitoring system is an actual goal.

There are some cluster monitoring solutions on the market, but they are focused on a wide range of clusters, this degrades performance, because of unused functions. Also, most systems work with containers, which limits cluster usage scenarios.

This project uses the architectural style of REST, which allows you to obtain information about the status of each of the nodes of the cluster and have the tools to restore failed shard node. The main advantages of the developed project over competitors are the focus on a certain type of systems, taking into account the features of monitoring, as well as autonomy.

The application consists of a REST service, which in turn includes a web interface that handles HTTP requests, and business logic that request state of each shard and returns information that is converted for transmission over HTTP. Also, the monitoring system includes a REST-service located on each shard of the cluster, which checks the database and the performance of the shard server itself.

The monitoring system works with data in JSON format. The input data includes the request received by certain way which affects the output. The output contains a list of active shard nodes, in the case of request along the path responsible for the shard poll. In case of request of state of whole cluster returns the node list with the status of each.