



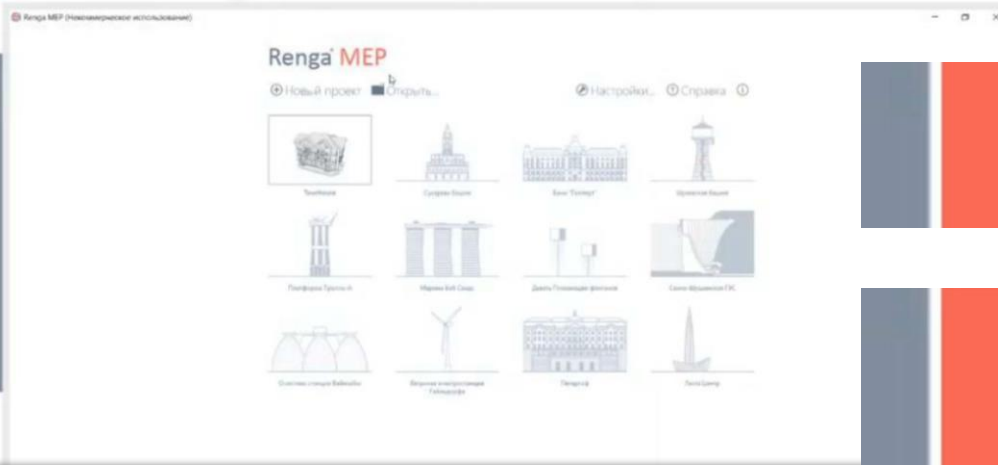
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# Renga Software

## 3D-project design of engineering systems



- Simple design
- Objective project design
- Information about each object
- Team work and collective design



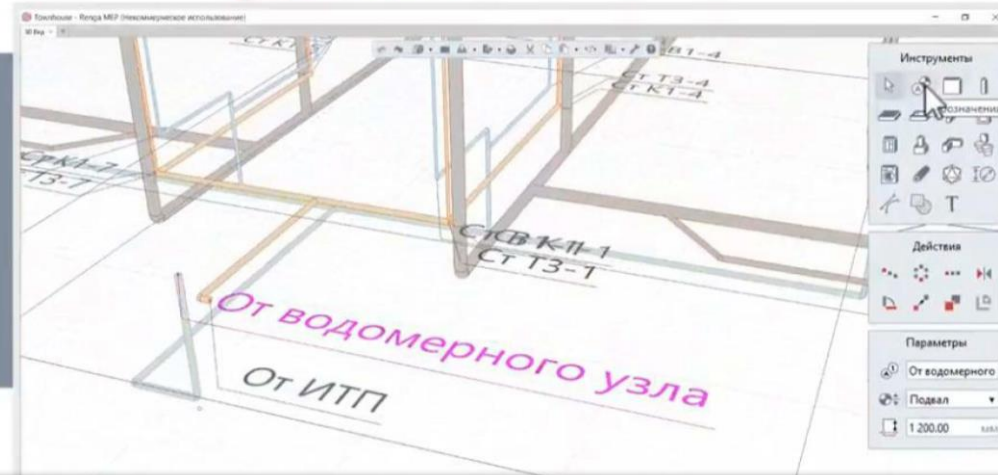
**NEW APPROACH**  
to 3D-building design

Russian BIM-system  
3D-design of inner building  
engineering systems

## Entry points and risers positioning



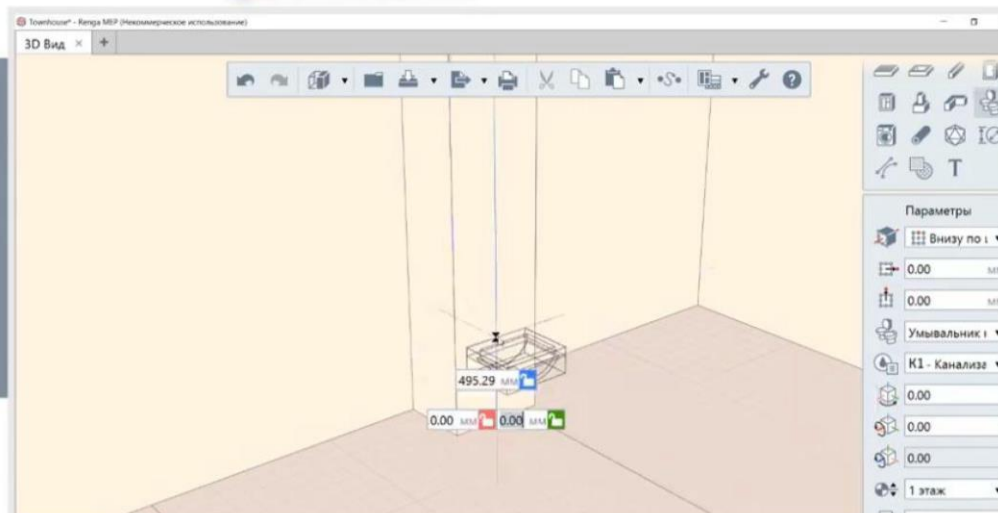
- 'the trace point' designation
- construction of risers and pipelines by trace points
- Tool 'systems styles'



## Equipment setting and positioning



- standard equipment
- sanitary equipment
- engineering
- import 3D formats and IFC-objects
- objects snaps



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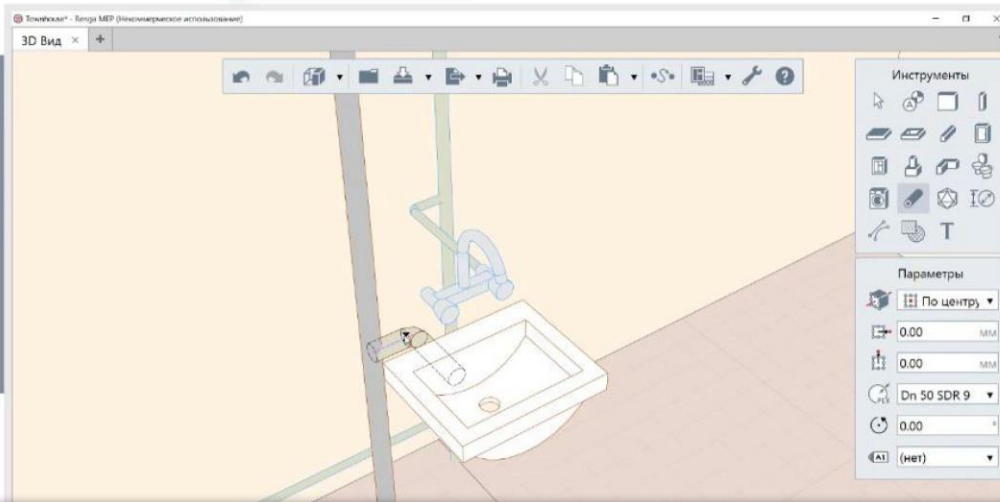
# Renga Software

## Pipes parameters determination



- tool 'pipe styles'
- assignment of pipe diameters
- calculations in external settlement systems

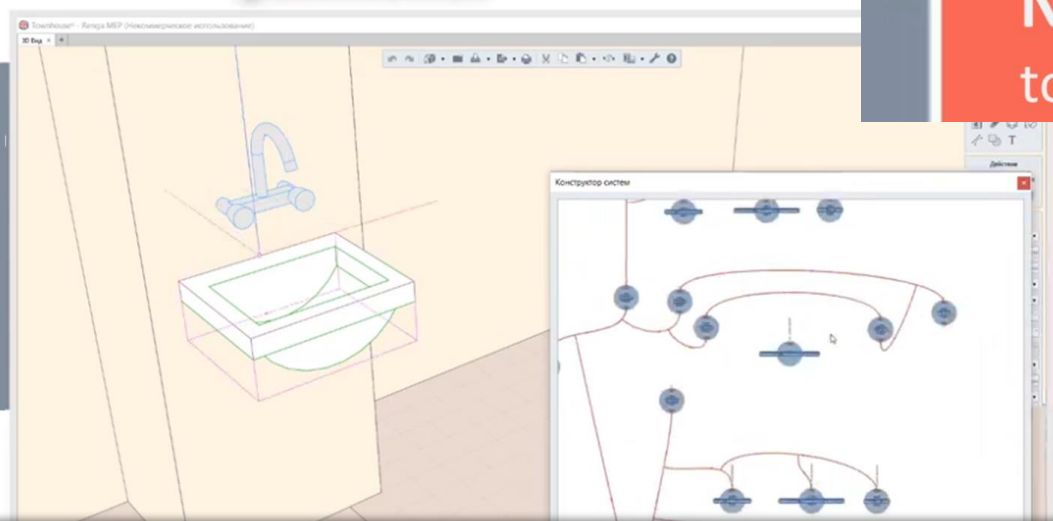
\* interaction in development



## Automatic pipeline tracing



- systems' designer kit
- equipment connection to the system: automatic pipeline tracing in the model (following the norms on laying )
- applying custom filters and associativity with model
- automatic construction of the route when moving equipment

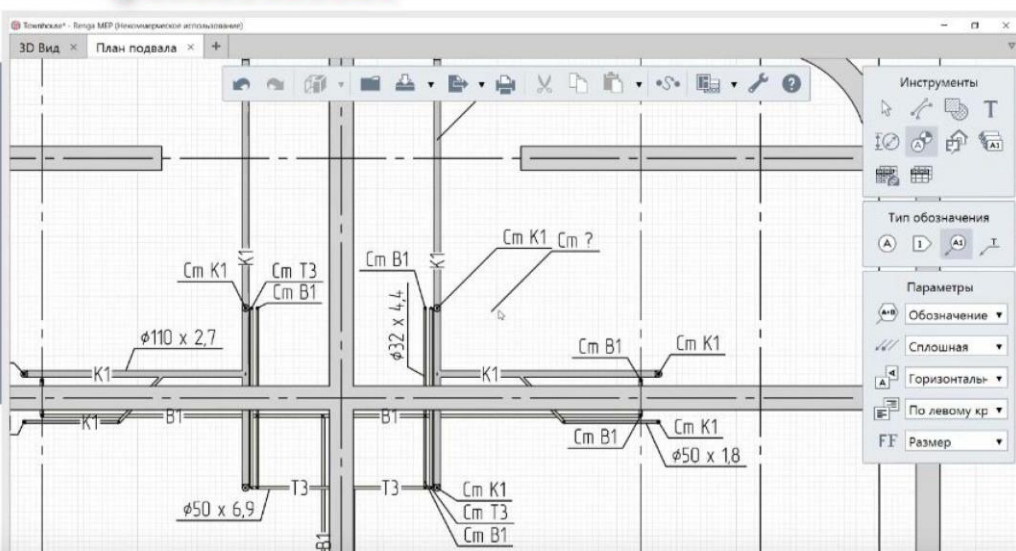


**NEW APPROACH**  
to 3D-building design

## Getting associative drawings and specifications



- Associative drawings
- Tool 'View'
- 'Universal marker'
- 'Representation style'
- Following conditional graphic images
- Associative equipment specification



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