

# Free download Olga software manual [PDF]

the olga simulator enables key flow simulation applications including liquids handling sizing separators and slug catchers managing solids simulating key operational procedures including start up shut down and pigging modeling for contingency planning the olga dynamic multiphase simulator software package installation is comprised of the following olga engine dynamic multiphase flow simulator olga gui graphical user interface rmo risk management and optimization olga viewer olga s multiphase toolkit opc server functionality olga namespace explorer by default the olga sdk is not installed refer to the olga gui user manual and the extension sdk developer s guide for more details on olga extensions the extension sdk developer s guide can be found in the windows start all programs schlumberger olga sdk version documentation folder after the sdk installation olga 2022 1 uses the latest version of kbc multiflash and provides options for use with the symmetry process software platform fluid engine for tables improvements like these further expand the olga simulator s capabilities for carbon capture and storage ccs projects the olga simulator enables key flow simulation applications including liquids handling sizing separators and slug catchers managing solids simulating key operational procedures including start up shut down and pigging modeling for contingency planning this document is the user manual for olga describing its modeling capabilities and input files olga is a multiphase flow simulator that can model various flow assurance issues like slug tracking pigging corrosion elastic walls and hydrate formation this document provides an overview of the olga 6 software including its graphical user interface modeling capabilities and how to use its various views and tools it describes the main windows and views in olga like the model view file view network view and their functions olga user manual free ebook download as pdf file pdf text file txt or view presentation slides online when the installation of olga starts follow the instructions on screen you can select between a quick installation and a custom installation the quick installation selects default components and installs to the default installation folder without any further user interaction 4 1 requirements 4 2 installation of flexlm 4 3 license configuration 4 4 license installation and configuration for optional olga modules 4 5 system info 4 6 license files the olga simulator is one of the principal components in analysis of pipeline operations the olga core can solve most of the normal challenges associated with pipeline flow but many additional modules have been developed to better solve particular problems this tutorial was prepared for gas liquid loading graduation project as a demonstration of the olga software capabilities and how it will handle the well design s automated duration 1 week can assess thousands of sensitivities in lesstime 5 automated olga workflow define basis assumptions 2 days model build generate simulation file 2 days create parametric cases sensitivities 2 300 cases 30 seconds run simulations 1 day extract relevant data 1 hour visualise data 30 seconds schlumberger olga is a modelling tool for transportation of oil natural gas and water in the same pipeline so called multiphase transportation the name is short for oil and gas simulator the main challenge with multiphase fluid flow is the formation of slugs plugs of oil and water in the pipelines which causes large problems at the receiving end at olga 2020 1 olga s is the steady state prediction routine or point model from the olga dynamic multiphase flow simulator it is a mechanistic model that simulates each of the flow regimes in multiphase flow and determines the main flow properties such as pressure drop hold up and flow regime olga s is developed by schlumberger in during this five day course you will learn how olga dynamic multiphase flow simulator is used to understand and solve typical flow assurance challenges this interactive and practical course includes step by step instructions to build and run simple transient simulation models it covers chapter 1 to 7 and describes how the client application can use matlab and matlab script and functions m files to communicate with olga contains a reference page for all functions in the toolbox describes the how the toolbox and in particular how the olga block library can be used in simulink models product overview the olga dynamic multiphase flow simulator models transient flow time dependent behaviors to maximize production potential transient modeling is an essential component for feasibility studies and field development design olga gui manual free download as pdf file pdf text file txt or read online for free program documentation consists of the olga user manuals installation guide and these release notes in addition module specific user guides are available the schlumberger support portal provides useful information about the product and a knowledge base it is accessible from software slb com

## **olga dynamic multiphase flow simulator slb May 13 2024**

the olga simulator enables key flow simulation applications including liquids handling sizing separators and slug catchers managing solids simulating key operational procedures including start up shut down and pigging modeling for contingency planning

## ***installationguide slb Apr 12 2024***

the olga dynamic multiphase simulator software package installation is comprised of the following olga engine dynamic multiphase flow simulator olga gui graphical user interface rmo risk management and optimization olga viewer olga s multiphase toolkit opc server functionality olga namespace explorer

## **dynamic multiphase flow simulator slb Mar 11 2024**

by default the olga sdk is not installed refer to the olga gui user manual and the extension sdk developer s guide for more details on olga extensions the extension sdk developer s guide can be found in the windows start all programs schlumberger olga sdk version documentation folder after the sdk installation

## **olga new features slb Feb 10 2024**

olga 2022 1 uses the latest version of kbc multiflash and provides options for use with the symmetry process software platform fluid engine for tables improvements like these further expand the olga simulator s capabilities for carbon capture and storage ccs projects

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the olga simulator enables key flow simulation applications including liquids handling sizing separators and slug catchers managing solids simulating key operational procedures including start up shut down and pigging modeling for contingency planning

## **olga user manual pdf simulation pump scribd Dec 08 2023**

this document is the user manual for olga describing its modeling capabilities and input files olga is a multiphase flow simulator that can model various flow assurance issues like slug tracking pigging corrosion elastic walls and hydrate formation

## **olga manual 6 2 3 pdf pdf simulation 3 d scribd Nov 07 2023**

this document provides an overview of the olga 6 software including its graphical user interface modeling capabilities and how to use its various views and tools it describes the main windows and views in olga like the model view file view network view and their functions

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## **olga installation guide slb Sep 05 2023**

when the installation of olga starts follow the instructions on screen you can select between a quick installation and a custom installation the quick installation selects default components and installs to the default installation folder without any further user interaction

## **olga installation guide slb Aug 04 2023**

4 1 requirements 4 2 installation of flexlm 4 3 license configuration 4 4 license installation and configuration for optional olga modules 4 5 system info 4 6 license files

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the olga simulator is one of the principal components in analysis of pipeline operations the olga core can solve most of the normal challenges associated with pipeline flow but many additional modules have been developed to better solve particular problems

## **gas well design with olga tutorial youtube Jun 02 2023**

this tutorial was prepared for gas liquid loading graduation project as a demonstration of the olga software capabilities and how it will handle the well design

## **automating olga with slb May 01 2023**

s automated duration 1 week can assess thousands of sensitivities in lesstime 5 automated olga workflow define basis assumptions 2 days model build generate simulation file 2 days create parametric cases sensitivities 2 300 cases 30 seconds run simulations 1 day extract relevant data 1 hour visualise data 30 seconds schlumberger

## **olga technology wikipedia Mar 31 2023**

olga is a modelling tool for transportation of oil natural gas and water in the same pipeline so called multiphase transportation the name is short for oil and gas simulator the main challenge with multiphase fluid flow is the formation of slugs plugs of oil and water in the pipelines which causes large problems at the receiving end at

## **olga 2020 1 petroleum softwares Feb 27 2023**

olga 2020 1 olga s is the steady state prediction routine or point model from the olga dynamic multiphase flow simulator it is a mechanistic model that simulates each of the flow regimes in multiphase flow and determines the main flow properties such as pressure drop hold up and flow regime olga s is developed by schlumberger in

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during this five day course you will learn how olga dynamic multiphase flow simulator is used to understand and solve typical flow assurance challenges this interactive and practical course includes step by step instructions to build and run simple transient simulation models

## **olga matlab toolbox ntnu Dec 28 2022**

it covers chapter 1 to 7 and describes how the client application can use matlab and matlab script and functions m files to communicate with olga contains a reference page for all functions in the toolbox describes the how the toolbox and in particular how the olga block library can be used in simulink models

## **olga 2022 1 software slb com Nov 26 2022**

product overview the olga dynamic multiphase flow simulator models transient flow time dependent behaviors to maximize production potential transient modeling is an essential component for feasibility studies and field development design

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program documentation consists of the olga user manuals installation guide and these release notes in addition module specific user guides are available the schlumberger support portal provides useful information about the product and a knowledge base it is accessible from software slb com

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