

Ikon Science Software License Matrix 2023.3

BASE	RokDoc PLATFORM Prerequisite: none License feature: RokDoc_View_Only		Activates all data import/export, well viewer, inline/crossline/arb line viewers, pre-stack gather viewer, cross-plots, limited RokDoc 3D functionality (session building; scene 3D; cross-plot; spectra plot; map viewer), RokDoc workflows, log editing, no RokDoc 2D	
	FUNCTIONALITY	KEY ASPECTS	PREREQUISITE	LICENSE FEATURE
SHARED	Shared RokDoc Functionality	Activates RPM, limited blocky ops, limited multi-well ops, limited batch ops, programmers (log; DVS; horizon), limited RokDoc 1D (Vp/Vs/Rho log prediction; log filtering), limited RokDoc 3D (limited utilities; phase rotation; band pass filter; seismic shift)	Activated by any one MODULE licence feature	no directly corresponding license feature
MODULE	ROCK PHYSICS Prerequisite: RokDoc Platform License feature: RokDoc_Expert		Activates all shared RokDoc functionality, full blocky ops, full multi-well ops, full batch ops, standard RokDoc 1D (including wavelet estimation/stretch&squeeze; fluid substitution; synthetic gather generation; AVO analysis), standard RokDoc 2D, integrated WellTie	
	FUNCTIONALITY	KEY ASPECTS	PREREQUISITE	LICENSE FEATURE
ADD ONS	Advanced Well Tie	Activates wavelet estimation methods for broadband seismic (including Bayesian and parametric constant phase estimation)	Rock Physics	RokDoc_Adv_WellTie
	Anisotropy	Activates all anisotropy modules (including blocky anisotropy; Thomsen parameter estimation; log anisotropy model builder; RokDoc 2D geological modelling anisotropy)	Rock Physics	RokDoc_Anisotropy
	VSP	Activates all VSP modules (including VSP analysis; 3C and 4C anisotropic VSP analysis; walk-away and walk-around analysis)	Rock Physics	RokDoc_VSP
	Attrimod	Activates Attrimod (multi-2D seismic forward modelling tool)	Rock Physics	Attrimod
MODULE	RESERVOIR CHARACTERISATION Prerequisite: RokDoc Platform License feature: RokDoc_QED_Upgrade		Activates all shared RokDoc functionality, horizon toolbox, standard RokDoc 3D (including CoViz 3D viewer; full geological modelling; fluid substitution; synthetic generation; Bayesian classification; spectral merge; RPM forward/reverse modelling; multi-realisation analysis; create angle stacks; 3D quantity calibration)	
	FUNCTIONALITY	KEY ASPECTS	PREREQUISITE	LICENSE FEATURE
ADD ONS	Seismic Inversion	Activates in RokDoc 3D seismic data conditioning workflow, petrophysical reflectivities, various methods of inversion (including simultaneous; PP-PS sim inv; model-based; coloured; band limited), radon demultiple, PP-PS alignment	Reservoir Characterisation	RokDoc_Inversion
	Advanced SDC	Activates in RokDoc 3D advanced seismic data conditioning (including time shift estimation; dip estimation; structure oriented filtering; freq slice filtering; gradient stabilisation)	Reservoir Characterisation	SDC_ADV
	Ji-Fi	Activates 'interactive' mode joint impedance facies inversion (Ji-Fi) method in RokDoc 3D (including PP-PS) and 'export 3D'	Reservoir Characterisation	Ji_Fi & Ji_Fi_Export
	Ji-Fi IQP	Activates 'interactive' mode IQP joint impedance facies inversion method in RokDoc 3D and 'export 3D' realisation	Reservoir Characterisation	Ji_Fi_IQP & Ji_Fi_IQP_Export
	Delivery	Activates access from RokDoc 3D to CSIRO's petro-elastic inversion method known as Delivery	Reservoir Characterisation	RokDoc_Delivery
	4D Reservoir Monitoring	Activates 4D enabled RokDoc 3D plus all 4D functionality	Reservoir Characterisation	4D_Reservoir_Monitoring
MODULE	PRESSURE PREDICTION Prerequisite: RokDoc Platform License features: RokDoc_GeoPressure		Activates all shared RokDoc functionality, PressureView, vertical stress (overburden) generator, shale trend, normal compaction trend, pore pressure calculator (comprising stress ratio trend; Poisson's ratio trend; fracture pressure calculator; FPC QC plot)	
	FUNCTIONALITY	KEY ASPECTS	PREREQUISITE	LICENSE FEATURE
ADD ONS	Geomechanics	Activates image log interpretation, geomechanical workflows, Mohr-Coulomb plot, stress polygon plot, various calculators, various stereonet, geomechanics calculators in RokDoc 3D	Pressure Prediction	RokDoc_Geomechanics
	Seismic Pressure Calculator	Activates in RokDoc 3D limited geological modelling, seismic velocity calibration, seismic pressure calculator, geobodies	Pressure Prediction	Seismic_Pressure

EXTRAS [for RokDoc]

FUNCTIONALITY	KEY ASPECTS	PREREQUISITE	LICENSE FEATURE
CoViz Lite	Activates the Dynamic Graphics® Inc. CoViz® Lite 3D visualisation system - an additional DGI license is required	RokDoc Platform	CoViz
External Interface	Activates the External Interface for Python plug-ins (logs/DVS/gathers/RPMs/quantities/pressure sets)	RokDoc Platform	RokDoc_PluginsFunction
Deep QI	Activates rock physics machine learning, deep neural network (regression; classification), random forest (regression), support vector machine (regression; classification), unsupervised clustering, DNN multi-mineral petrophysics	RokDoc Platform	Deep_QI
MPI	Activates cluster-based distributed processing for 'export 3D' realisation for Ji-Fi; time shift estimation; structure oriented filtering; freq slice filtering	RokDoc Platform + Reservoir Characterisation	MPI & MPI_Export
RokDoc Interconnector plug-in for Petrel*	Activates numerous bi-directional functions including Vs log prediction, synthetic generation, wavelet extraction, RokDoc 2D/3D modelling, integrated WellTie, save as .rok, import .rok	RokDoc Platform (+ Rock Physics) + Petrel*	RokDoc_PETREL
OpenSpirit link	Activates the OpenSpirit link data selector	RokDoc Platform	RokDoc_OpenSpirit_Adaptor

BASE	iPoint PLATFORM Prerequisite: none License feature: iMine & Search_and_Report			
	Activates the iPoint Dashboard, iMine, Search & Report, Briefcase, Crossplots, Ternary Charts, ArcGIS, Documents and the Data Basket			
INCLUDED	FUNCTIONALITY	KEY ASPECTS	PREREQUISITE	LICENSE FEATURE
	iMine, Search & Report	Activates iMine for examination of data and images using matrices, charts, lists, and statistics; also activates Search & Report for advanced searching and customised reports	None	iMine Search & Report

MODULE	VIZ POINT Prerequisite: iPoint Platform License feature: Viz_Point			
	Activates depth visualisation of the wellbore data and images using a multi-scaled synchronised layout			
ADD ONS	FUNCTIONALITY	KEY ASPECTS	PREREQUISITE	LICENSE FEATURE
	Interpretation Tools	Activates all interpretation tools; curve calculator, discrete point, interval fills, interactive shift creation, well pick analyser, splice & de-spike tool, well correlation	Viz Point	Interpretation_Tools
	Petrophysics	Activates Petrophysics workflow allowing for deterministic workflow with documented equations	Viz Point	Petrophysics

MODULE	PROCESSING POINT Prerequisite: iPoint Platform License feature: Processing_Point		
	Activates advanced export tool to enable batch data export across multiple wells or disciplines		

MODULE	ADMIN TOOL Prerequisite: iPoint Platform License feature: Admin_Tool		
	Activates the backend administration tools; project setup, adding & editing of wells, data & images, data standardisation, QC user management, active directory		

MODULE	iPointWeb Prerequisite: iPoint Platform License feature: iPointWeb			
	Activates web-based versions of the Dashboard, iMine, Search & Report and ArcGIS			
ADD ON	FUNCTIONALITY	KEY ASPECTS	PREREQUISITE	LICENSE FEATURE
	iViz	Activates web-based version of Viz Point; publish layouts from Viz Point to make accessible on iPointWeb	iPoint Platform + VizPoint	iViz

EXTERNAL

STANDALONE WELLTIE

FUNCTIONALITY	KEY ASPECTS	PREREQUISITE	LICENSE FEATURE
Standalone WellTie	Activates standalone WellTie with QC summary table & sequential workflow (including cross-plot; Vp prediction; Vs prediction; Rho prediction; log editing; depth-time conversion; wavelet estimation/stretch&squeeze)	None	RokDoc_WellTie
Standalone WellTie with Interconnector plug-in for Petrel*	Activates bi-directional link to standalone WellTie in addition to standard standalone WellTie functionality	Petrel*	RokDoc_WellTie & WellTie_PETREL