

Ikon Science Software License Matrix 2024.4

BASE	RokDoc PLATFORM Prerequisite: none License feature: RokDoc_View_Only				Activates all data import & most export (not LAS), well viewer, seismic 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 LAS export, RPMs, 1D/2D PDFs, 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		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 functions (including blocky anisotropy; Thomsen parameter estimation; log anisotropy model builder; anisotropic synthetics; RokDoc 2D geological modelling anisotropy; RokDoc 3D azimuthal anisotropic analysis)		Rock Physics	RokDoc_Anisotropy
	VSP	Activates all VSP functions (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 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; frequency slice filtering; gradient stabilisation; spectral shaping)		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 Advanced	Activates 'interactive' mode for several advanced Ji-Fi methods (including IQP; depth; timelapse) in RokDoc 3D and 'export 3D'		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), PPFG workflows
	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
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 (DNN), random forest, support vector machine, XGradient Boost (XGB), unsupervised clustering, DNN & XGB multi-mineral petrophysics, exploratory data analysis	RokDoc Platform	Deep_QI
MPI	Activates cluster-based distributed processing for 'export 3D' realisation for Ji-Fi; time shift estimation; dip estimation; structure oriented filtering; frequency 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

STANDALONE WELLTIE [independent of RokDoc]

FUNCTIONALITY	KEY ASPECTS	PREREQUISITE	LICENSE FEATURE
Standalone WellTie with Interconnector plug-in for Petrel*	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), plus bi-directional link between Petrel* & standalone WellTie	Petrel*	RokDoc_WellTie & WellTie_PETREL

BASE	<h3>CURATE DATA ACCESS</h3> <p>Prerequisite: none License feature: Curate_Base</p>	<p>Activates Curate platform, project creation & access, limited data export, data set & document listing/preview/download, 'collaborative workspace', map-based data visualisation, quick data filtering options, spatial polygon selection, user permissions [admin role only]</p>
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BASE+MODULE	<h3>CURATE DATA CONSUMER</h3> <p>Prerequisite: none License feature: Curate_Base & Essential_Apps</p>	<p>Activates all Data Access functionality, plus; Data Explorer app, Mapping and Contouring app, Well Correlation app, Well Viewer app, Seismic Viewer app</p>
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ADD ON	FUNCTIONALITY	KEY ASPECTS	PREREQUISITE	LICENSE FEATURE
	Well Surveillance	Activates WITSML feed, pressure view, mudweight view, overpressure view, pore pressure model, fracture gradient model	Data Consumer or Data Manager	Well_Surveillance

BASE+MODULE	<h3>CURATE DATA MANAGER</h3> <p>Prerequisite: none License feature: Curate_Base & Essential_Apps & Data_Admin & Admin_Tool</p>	<p>Activates all Data Access & Data Consumer functionality, plus; Admin Toolkit app (all data loading & standardisation; data model management), data & presentation settings</p>
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ADD ON	FUNCTIONALITY	KEY ASPECTS	PREREQUISITE	LICENSE FEATURE
	Well Surveillance	Activates WITSML feed, pressure view, mudweight view, overpressure view, pore pressure model, fracture gradient model	Data Manager or Data Consumer	Well_Surveillance