

# Ikon Science Software License Matrix 2025.2

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|---------|---|--|--|--|--|
| BASE    | <b>RokDoc PLATFORM</b><br>Prerequisite: none<br>License feature: RokDoc_View_Only                         |  |  |  | Activates all data import & most export ( <b>not LAS</b> ), 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, <b>no RokDoc 2D</b>                      |
|         | 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 <b>MODULE</b> licence feature | no directly corresponding license feature  |
| MODULE  | <b>ROCK PHYSICS</b><br>Prerequisite: RokDoc Platform<br>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  | <b>RESERVOIR CHARACTERISATION</b><br>Prerequisite: RokDoc Platform<br>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 inversion methods (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) and cluster-based distributed processing for 'export 3D' realisations |  | Reservoir Characterisation                         | SDC_ADV & MPI_Export   |
|         | Ji-Fi   | Activates 'interactive' mode joint impedance facies inversion (Ji-Fi) method in RokDoc 3D (including PP-PS), 'export 3D' and cluster-based distributed processing for 'export 3D' realisations   |  | Reservoir Characterisation                         | Ji_Fi & Ji_Fi_Export & MPI_Export  |
|         | Ji-Fi Advanced  | Activates 'interactive' mode for several advanced Ji-Fi methods (including IQP; depth; timelapse) in RokDoc 3D, 'export 3D' and cluster-based distributed processing for 'export 3D' realisations  |  | Reservoir Characterisation                         | Ji_Fi_IQP & Ji_Fi_IQP_Export & MPI_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  | <b>PRESSURE PREDICTION</b><br>Prerequisite: RokDoc Platform<br>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              |
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| <b>External Interface</b>                        | Activates the External Interface for Python plug-ins (logs/DVS/gathers/RPMs/quantities/pressure sets)  | RokDoc Platform                              | RokDoc_PluginsFunction       |
| <b>Deep QI</b>                                   | 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                      |
| <b>MPI</b>                                       | 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_Export                   |
| <b>RokDoc Interconnector plug-in for Petrel*</b> | 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                |
| <b>DecisionSpace† Interconnector</b>             | Activates the DecisionSpace† Interconnector which allows RokDoc to connect to a specified DecisionSpace† server  | RokDoc Platform + DecisionSpace†             | DecisionSpace_Interconnector |

## STANDALONE WELLTIE [independent of RokDoc]

| FUNCTIONALITY   | KEY ASPECTS  | PREREQUISITE | LICENSE FEATURE                 |
|---|--|--------------|---------------------------------|
| <b>Standalone WellTie with Interconnector plug-in for Petrel*</b> | 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 |

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| <b>BASE</b> | <h3>CURATE DATA ACCESS</h3> <p><b>Prerequisite:</b> none<br/><b>License feature:</b> Curate_Base</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] |
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| <b>BASE+MODULE</b> | <h3>CURATE DATA CONSUMER</h3> <p><b>Prerequisite:</b> none<br/><b>License feature:</b> Curate_Base &amp; Essential_Apps</p> | Activates all Data Access functionality, plus; Data Explorer app, Mapping and Contouring app, Well Correlation app, Well Viewer app, Seismic Viewer app |
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| ADD ON | FUNCTIONALITY            | KEY ASPECTS   | PREREQUISITE                  | LICENSE FEATURE   |
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|        | <b>Well Surveillance</b> | Activates WITSML feed, pressure view, mudweight view, overpressure view, pore pressure model, fracture gradient model | Data Consumer or Data Manager | Well_Surveillance |

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