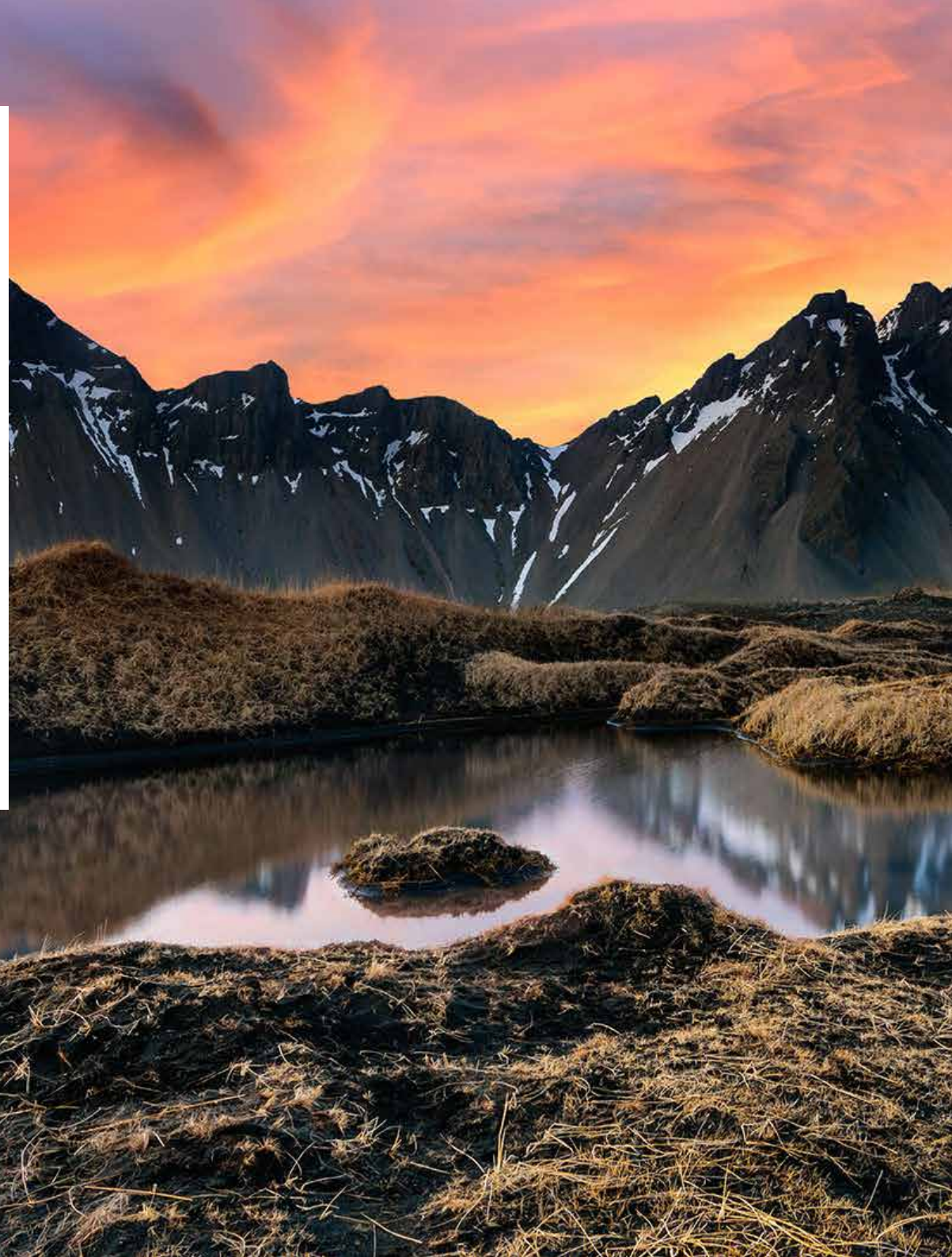


# IP: Interactive Petrophysics.

Enhanced. Powerful. Intuitive. IP helps you improve reservoir performance throughout the entire asset lifecycle.



# Why choose IP?

IP is a fast, scalable software solution for Geoscientists tasked with maximising the value of subsurface data. It helps to characterize all aspects of your reservoir, e.g. porosity, clay volume, fluid saturation and much more.

With IP, this analysis can be done with an interactive interface, which enhances efficiency and productivity for Geoscientists.

IP is a mathematically-robust software for anyone seeking a stable, powerful interface that enables them to customise workflows to their subsurface needs. Its interactive parameters enable fast analysis and interpretation for confident geological and petrophysical decisions.

Along with our industry-leading 24/7 support, we offer world-class training for all levels. User proficiency is crucial to maintaining a competitive edge and giving your team the latest skills that they need to make expert analysis of their wellbore data.

Using IP provides you and your team seamlessly integrated workflows across subsurface disciplines and supports improved reservoir performance throughout the entire assets' lifecycle.

The Geoactive team believe in the power of communication and sharing information easily.

It's the most powerful way to work. Geoscientists can:

- Work quickly and independently within an interactive interface, designed by industry-leading experts.
- Adopt a variety of user-specified workflows to facilitate confident, hassle-free analysis.
- Benefit from productivity gained by using an interactive, intelligent tool with advanced interpretation capabilities.
- Track and monitor changes to your analysis for efficient, auditable interpretations.

“While the ownership of IP may have changed over the years the product and its development has remained consistent with many of the same team of Petrophysicists, Software Developers and Experts remaining in place for much of this journey.

I am a prime example of this, having joined PGL 15 years ago as a Senior Petrophysicist with 20 years' experience in a service company prior to that. After PGL merged with Senergy I moved across to the IP team and have been the Product Champion for 11 years now. This includes our time with LR and our new move to our very own Geoactive.

The team have worked diligently over the years to constantly expand and evolve the product to meet the need of an ever changing market place. This consistency results in a high quality, uninterrupted service for our client base..”

Paul Spooner  
IP Product Champion



# Improving Reservoir Performance with IP 2023.

We are proud to announce the release of the latest version of our subsurface data analysis and interpretation application, IP 2023.

By upgrading or installing IP 2023, you can enjoy a host of new benefits to improve your day-to-day working. It gives you more options and multi-well workflows than ever before.

The new WITSML module will provide up to the minute understanding of what your wells are logging, allowing you to make fast and effective decisions during drilling.

The additional Carbon/Oxygen Sw Analysis Module opens up a deeper understanding of the fluids encountered behind casing in mature wells.

The general improvements include additional log plot interaction as well as expanding and clarifying the interface. The additions to the Geomechanics Advanced module and the Image Analysis Module have included more multi-well and interactive control.

As always, any new release includes a range of workflow improvements to allow for faster analysis while remaining robust.

Build deeper understanding by collaborating with your team easily.



Maximise economic potential of mature wells...

The new Carbon/Oxygen Sw module allows you to identify and interpret fluids behind casing. This is particularly useful in reservoirs of low or unknown water salinity.

It allows timely and confident decision making to ensure continued economic return from mature wells.



Faster and easier data preparation and improved useability

Improved visualisation and additional interactivity across the board, including depth shift on lot plots, allows you to see and modify where new data impacts your interpretations.

New search function and more visual icons on menus make finding your tools easier than ever.



Improved Connectivity to live logging jobs

The new WITSML module allows you to connect to any data server you have access to to pull in real-time drilling data, curves and trajectories.

Setting automatic time intervals ensures only the most recent data is used. This ensures the most up-to-date understanding of your data acquisitions.



Increased confidence in well stability

Extending the plotting options for the geomechanics module, integrating it into Monte Carlo module and new interactive multi-well Pore Pressure functionality give improve clarity and confidence to your Well Stability workflows.

“This release introduces lots of exciting, brand new features including a new Carbon/Oxygen Sw Analysis Module.

We have also upgraded some of our existing Advanced Modules, including Geomechanics and Image Analysis, making this our most complete version of IP yet.”



Ross Brackenridge  
IP Product Champion - Cased Hole

# Explore IP.



A 'Best in Class', robust and accurate Petrophysical software package which is also cost effective.



Work quickly and independently within an interactive interface designed by industry-leading experts.



Adopt a variety of user-specified workflows to facilitate intelligent, confident and hassle-free analysis.



Fully customisable package, choose a combination of modules which meets your specific needs and build bespoke modules.

## IP for Formation Evaluation.

Offers robust and sophisticated petrophysical calculations for both deterministic and probabilistic analysis.

## IP for Geology.

Perform Image log corrections and Analysis; create petrophysical groups and predict facies types in related wells with Rock Typing.

## IP for Geomechanics.

Assure your well's stability and maximise production lifetime

## IP for Geophysics.

Bring your petrophysics and geophysics teams together

## IP for Well Operations.

Brings the integrated analysis power of IP to your campaign – in real time.

## IP for Reservoir Engineering.

Offers every imaginable feature for pin-sharp reservoir understanding, potential quantification and production optimisation

## IP for Cased Hole Analytics.

Analyze and review the condition of downhole casing and make fast and well informed operational decisions

## IP for Machine Learning.

Carry out data repair, prediction of missing curves and key reservoir properties from minimal source data

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# Switch to IP

Enhanced. Powerful. Intuitive.

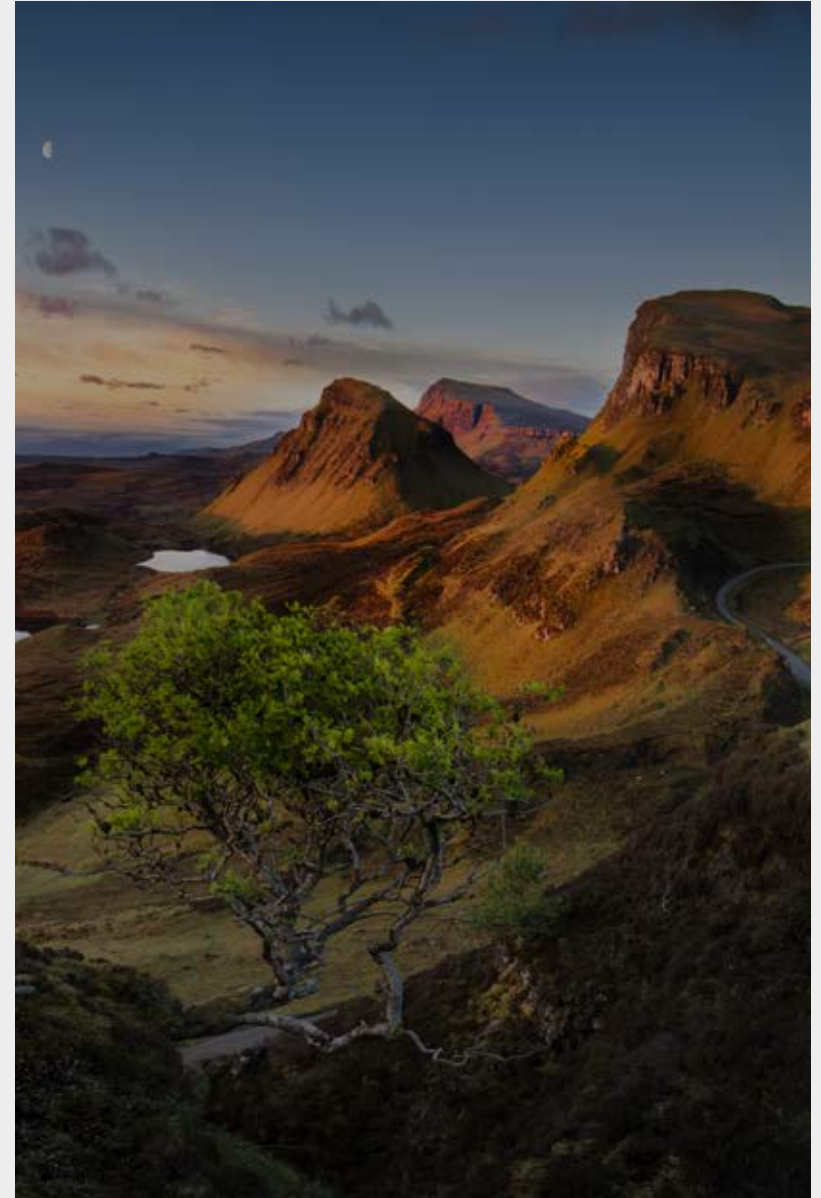
IP is the best-in-class tool for robust subsurface interpretations. It is stable, and minimises user errors through its interactive graphical interface. Whatever your experience level, IP offers a complete, cost-effective solution enabling thorough analysis for making geological and petrophysical decisions.

Move to IP for a scalable solution within an intuitive, interactive tool, saving time and improving efficiency. IP is more than a petrophysical software. It enables Petrophysicists to determine porosity and water saturation while Geologists and Reservoir Engineers increase reservoir productivity.



**Go faster. Move to IP. Here are six reasons why:**

- **It's fast and interactive.** Gain speed and efficiency with immediate parameter updates, reduced uncertainty and improved understanding of your data.
- **It's scalable and robust.** Benefit from a complete and customisable solution suited to your team/business needs.
- **It's cost-effective and best-in-class.** Use a complete package for complex analysis. Organic shales and NMR interpretation come as standard in IP basic modules.
- **It's intelligent and flexible.** Work with the data you have. IP does not force fit data, handling time-based drilling data intelligently using intuitive workflows.
- **It's enabling and powerful.** Utilise IP for the entire life cycle of your asset by incorporating reservoir data from IC, our sister product.
- **It's stable and auditable.** Work without interruptions and track any changes for an optimal user experience.





>85

Countries use  
IP worldwide

107

Universities use  
IP across

44 countries



492

Licences on our  
Maintenance and  
support program



790

Licences

6700

User seats of IP



>500

Companies  
use IP  
worldwide



We have approx.

15-20%

of the global  
Petrophysical  
Software market



# Continuing Improvements to your workflows.

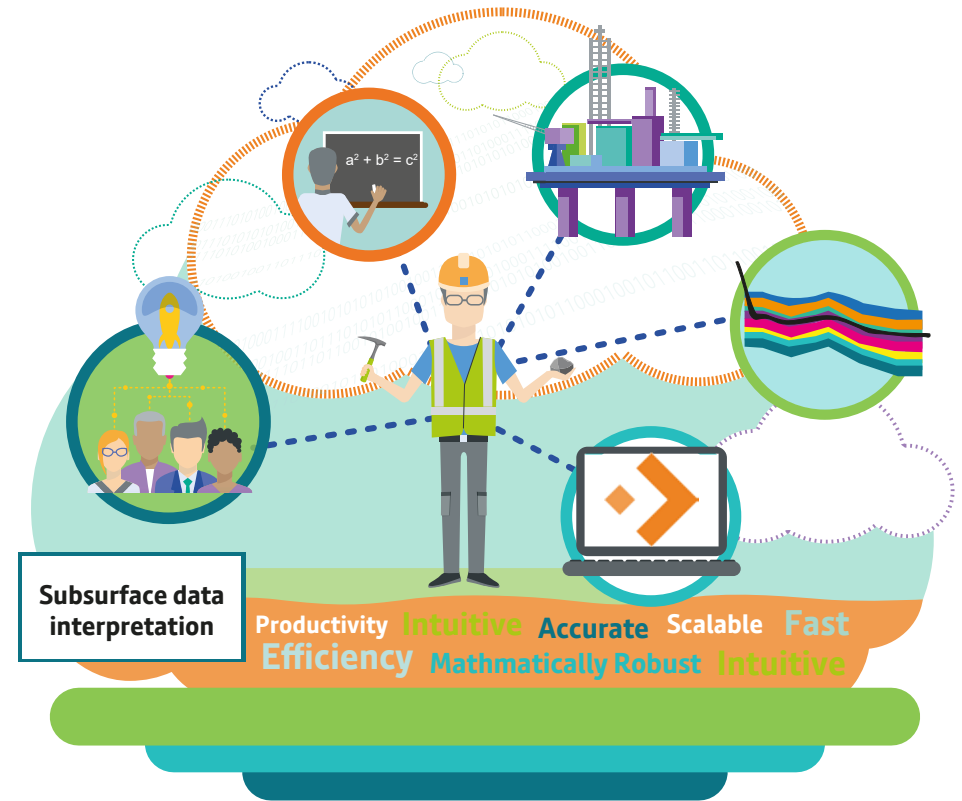
Last year we embraced our digital working environment by changing the look of our supporting materials so they fit nicely on your computer screens.

As our Subsurface products continue to improve and grow, we think it is important to show where we are going with each of them.

As the centre and focus of Geoactive's software applications, IP and IC continue to grow. Our aim? to provide our clients with a world class experience, not only with software solution success but with each interaction we have.

Making data sharing even easier, the combination of each of our products into a suite of toolkits that help you achieve your goals; be that traditional hydrocarbon exploration and improved production or tracking and understanding carbon offset or mapping geothermal productivity. Our Interactive Suite can help you.

The powerful well analysis toolkits available in IP marry very well with the powerful reporting toolkits available within IC to create a collaborative environment your entire subsurface team can engage with to achieve fast outcomes they are confident with.



# Interactive Petrophysics Bundles.

## **IPformation evaluation**

Featuring the most robust and sophisticated petrophysical calculations in the industry for both deterministic and probabilistic analysis, this essential bundle provides a full and in-depth suite of tools for advanced formation evaluation. For conventional and unconventional reservoirs. Industry-leading Monte Carlo analysis allows you to quantify your confidence in any petrophysical workflow.

## **IPgeology**

Includes our state-of-the-art Image Analysis module and our Rock Typing and Facies Determination tools. Perform a full range of corrections on your raw image data, no matter which service company imaging tool you have. Get the most out of your data with Self-Organising Maps (SOM) and Cluster Analysis which can be used to create petrophysical groups and predict facies types in related wells using either or both of these industry standard techniques.

## **IPmachine learning**

Use powerful, robust and mathematically proven algorithms to automate and enhance your workflows. Gain deeper insights into your data with our Multiple linear regression, self-organising maps, artificial neural networks, fuzzy logic, domain transfer analysis, clustering, and Principal component analysis.

## **IPgeophysics**

Perform complex Fluid Substitution models and create Synthetic Seismograms for comparison to seismic data. Combine knowledge and interpretations to build a connection between your petrophysics and geophysics teams. Also included: full Acoustic Waveform Processing and interpretation.

## **IPgeomechanics**

Ensure control and stability of your wells during drilling and throughout production lifetime. Predict pore pressures, calculate in situ stresses and rock strengths, and analyse for potential borehole failure and sand failure. IP gives you the power to make important and informed decisions about your well design, drilling and production plan.

## **IPcased hole**

Provides the tools need to make well informed decisions quickly and efficiently based on analysis and review the condition of downhole casing using our Casing Inspection module. While the Cement evaluation module can identify poorly cemented regions to allow for fast action. Production logging allows you to organize and analyse all your PL data. The Carbon/Oxygen analysis module allows you to calculate water saturation behind casing in mature wells.

## **IPwell operations**

IP can be used to assist your drilling campaign as soon as the rig is in place. IP wells includes WITSML for live data, ChronoLog for viewing drilling time alongside depth data. Use our Geosteering solution for full control over your wells and stay informed while drilling. Run IP either from the rig or the office. Use Cement Evaluation to ensure the integrity of your wells and plan perforation and production, while ensuring the highest standards of health and safety are met.

## **IPreservoir**

Create Saturation Height models from core and logs, predict facies and qualify porosity/permeability with Hydraulic Flow Units (HFU). Perform full pressure analysis on Formation Tester data. There is also a full Production Logging suite. Having your production logs and wireline logs in the same package and as part of the same interpretation is one of the many advantages of using IP for your wellbore analysis. Use production data to refine your open hole interpretation.



# Customizing IP

IP has a huge range of optional modules which address a wide variety of challenges across subsurface domains. As each users requirements may differ, IP has a very flexible licensing system that allows our users to customize their IP experience and only purchase modules which add value to their needs.

The Basic license also allows users to create their very own bespoke modules with minimal coding using our User App framework.

## Choose Your Base License

### IP Platform

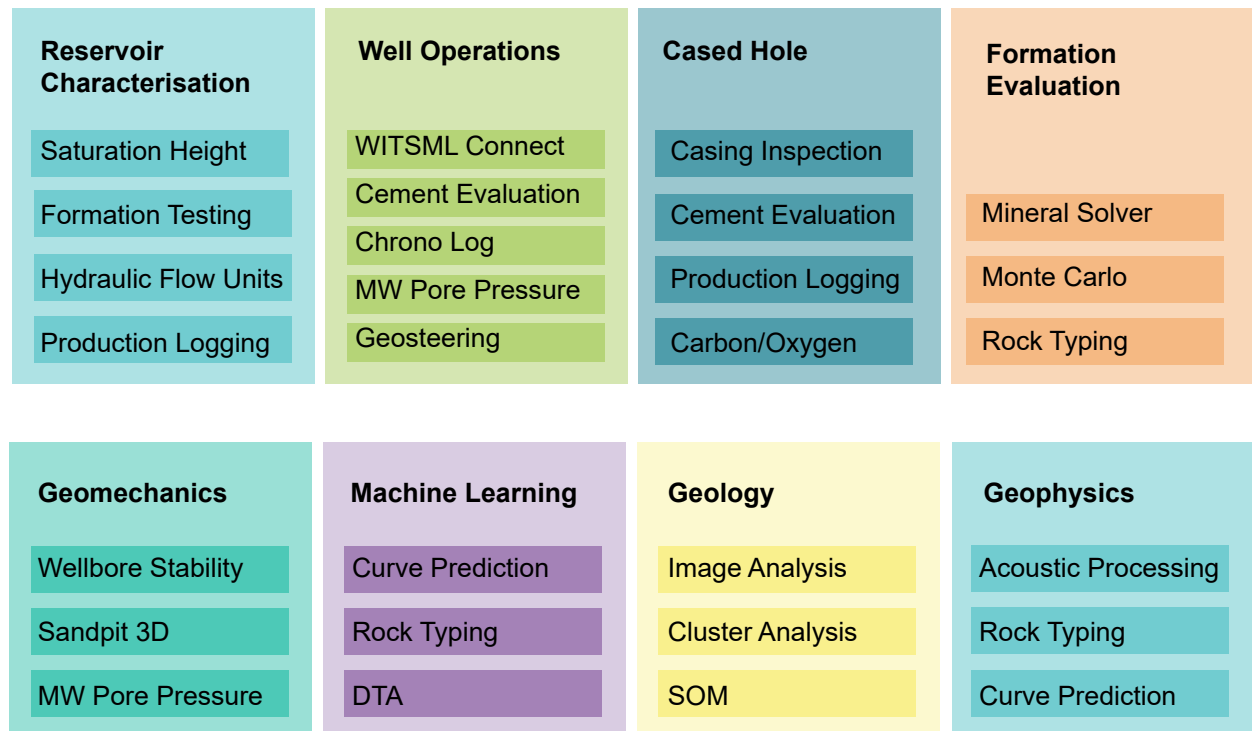
For those who want to run an advanced module but only require the absolute minimum functionality from the rest of IP. Includes Importing, Exporting, Data Visualization, Multi-Well Data Management.

### IP Platform + Basic

For those who want to use the full power of IP. Includes everything in Platform license plus..

- Full data manipulation tools such as Create Curves, Editing Data, Shifting Data etc.
- All Calculations including Multi-Line Formulas, Basic Log Functions, Environmental Corrections and more.
- Full Multi-Well Deterministic Petrophysics workflow including Clay Volume, Porosity & Water Saturation and Cut-Off & Summation modules.
- Additional Interpretation modules including Sigma Analysis, Unconventional Toolbox and NMR Interpretation.
- 3rd Party Connectors allowing users to easily move data to and from external products.
- User App framework allowing users to build their own bespoke, interpretation modules with minimal coding.

## Then choose an IP bundle of Advanced Modules for your domain or Mix and Match any combination of individual modules



## Our Clients



**Company** - Neptune Energy

**Client** - Eva Gerick

**Position** - Corporate Petrophysical Advisor

“As always your “big picture” view well beyond the pure software application is very much appreciated and definitely an enrichment to the training.”

**Company** - Seplat

**Client** - Maduabuchi Ndubueze

**Position** - Chief Petrophysicist



“IP is robust with basic and advanced modules for all scope of formation evaluation. Notable among its advanced modules include Multiple Linear Regression, Cluster Analysis for Rock Typing, Principal Component Analysis, Hydraulic Flow Units, Saturation Height Function, etc. IP software is very user friendly (interactive) and compatible with other Petrophysics softwares. It has functionality that provides an enabling platform for subsurface project integration. Additionally, it's Multi-function makes it convenient to evaluate several well logs simultaneously.”

**Company** - PetroSA

**Client** - Abdullah Jawoodien

**Position** - Principal Petrophysicist II

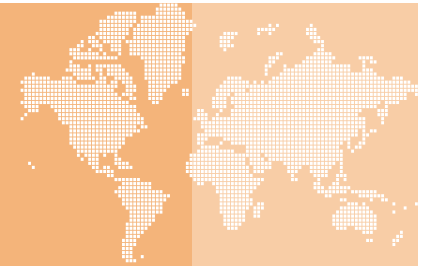
“As a long-time user of IP, I have found that IP is the most, user-friendly Petrophysical Interpretation package. It is also encouraging to see the range of a new functionality that is added regularly and the timely updates are a sign of a great package. I believe that though the proactive, enthusiastic nature of the Account managers, I have dealt with; the deep knowledge of those I have collaborated with and the prompt response of the support staff; I have become a user and promoter of IP for life. Thank you for everything.”

**Company** - Van Der Wal Petrophysics Ltd

**Client** - Jan van der Wal

**Position** - Consultant Petrophysicist

“Having recently concluded two studies in the Middle East, I wanted to mention some of my favourite features: mineral solver, rock typing, and programming. The multiwell mineral solver module was extremely useful for a re-evaluation study of 60+ wells. It was really fast, so easy to update the mineral model endpoints and / or a parameter setting for all wells or all models etc.”



# One constant, wherever and whenever you need us.

Our dedicated IP support team operates around the world providing outstanding customer service 24/7.

As an IP user, you have access to our wonderful Support Team. The team is available 365 days a year via phone, email, our web portal or online meetings. We have team members spread across several of our global locations including Aberdeen and Kuala Lumpur. The Team are responsible for the excellent quality of support we offer across both IP and IC software.

The Support Team continue to be a prime source of help and

investment for our products. With the majority of our team coming from a geoscience-based background, their ability to relate to your requests relating to our cornerstone IP and IC subsurface applications is paramount to our success.

Operating alongside the Product Experts, Core Development and Testing teams, the support team are always ready to guide you as you get started and setting up your licences.



As a global Software Support Team we have successfully:



Support provides 24/7 coverage via phone, email, portal or web meetings.



Multilingual team operating worldwide



Provide basic training - onsite & public courses.



Closed 90% of all 5200 IP tickets received in 2021



Nearly 1/2 of tickets are resolved in the first day.



Over 98% of tickets replied to within the first two hours.



Only 2% of tickets received are bugs.



## Get in touch

Please visit [www.geoactive.com](http://www.geoactive.com) for more information  
Or email [softwaresupport@geoactive.com](mailto:softwaresupport@geoactive.com)



## Training

We offers training courses in various locations around the world for both IC and IP.  
We can also provide tailored in-house courses for individual clients, please email [softwaresupport@geoactive.com](mailto:softwaresupport@geoactive.com)

## Sales

We have regional Account Managers to ensure all non-technical questions are answered across Europe and Scandinavia, the Americas, the Middle East, Asia and Pacific. To contact one of our sales teams for any of these regions, please email [salesenquiries@geoactive.com](mailto:salesenquiries@geoactive.com)

## Software Support

Our web portal provides first class support by a team dedicated to our subsurface software products.

Email [IPsupport@geoactive.com](mailto:IPsupport@geoactive.com)

or Call:

UK: +44-2036088024

USA: +1-713-489-3995

IP\_Brochure\_V5.1.pdf  
Updated: 1 February 2023

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