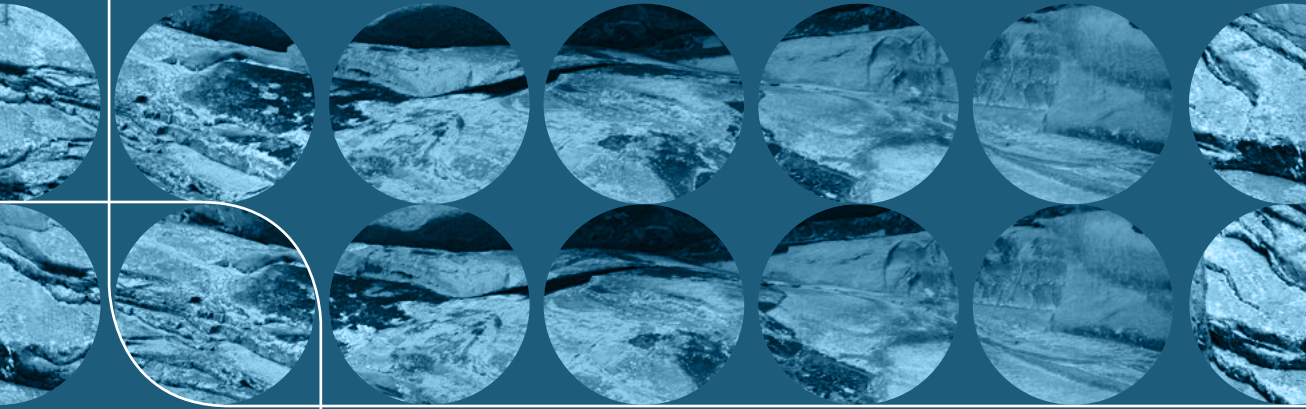


# GIT App Builder



*The Business of Science®*



# GIT App Builder

An all-in-one solution for sophisticated data acquisition and control

## Global Support

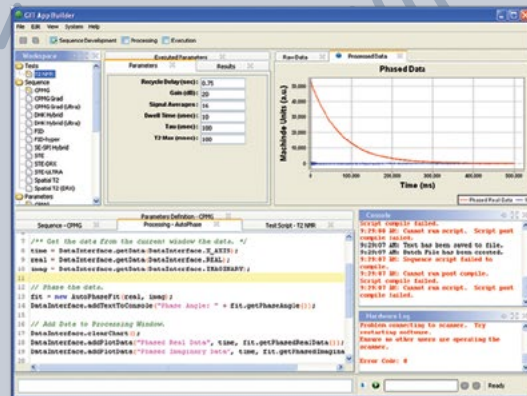
The Oxford Instruments – Green Imaging Technologies partnership has experience supplying systems all over the world, with instruments installed on 6 continents. Our hardware and software is developed, built and tested in-house.

We have our own core analysis laboratory, providing a service specialising in difficult rocks, which can be used to validate your own results or act as a backup to your own production lab. We have support bases in UK, the USA, Canada, and China, as well as a network of partners and resellers with global reach. No matter where you are located, our global support network can provide prompt, personal service.

**Green Imaging Technologies and Oxford Instruments** offer a unique platform for advanced NMR users within the research environment. The GIT App Builder was developed to meet a growing demand within research circles for a robust, all-in-one research interface. The GIT App Builder is a fully integrated development environment that allows users to write pulse sequences, set parameters, run the sequences, visualize the results, and process the data. No longer is there a need to run several different software packages for programming, debugging, and visualization – the GIT App Builder lets you do all aspects of development in one environment.

## Build sequences

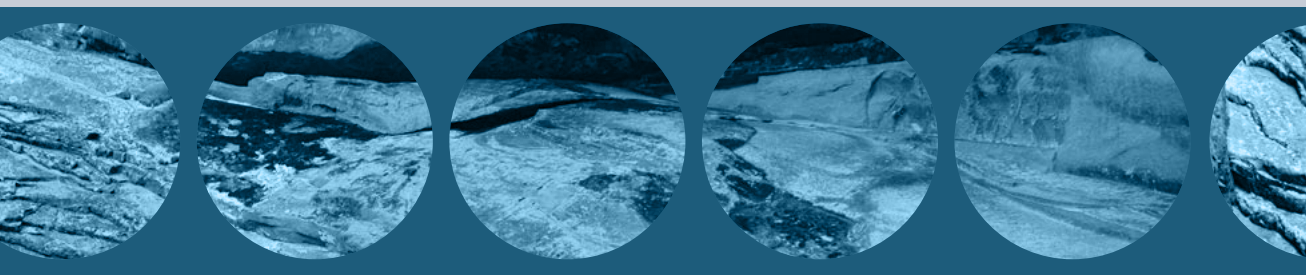
Build your own sequences or select from many built-in sequences including CPMG, FID, and STE-Diffusion.



Each user can develop a customized workspace for easy, repeatable data acquisition, processing and result manipulation.

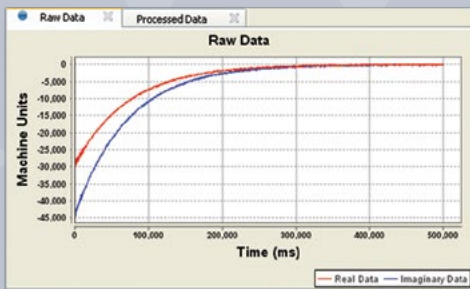
The screenshot shows the 'Parameters Definition - CPMG' window. It contains a 'Sequence - CPMG' tab and a 'Test Script - T2 NMR' tab. The code editor shows the following sequence code:

```
19 VAR
20 B
21 Count : LONGINT;
22 AcqTime : REAL;           ( Define Total Acquisition Time
23 PreAcqTime : DOUBLE;     ( Define Time Pre-Acquire
24 PostAcqTime : DOUBLE;    ( Define Time Post-Acquire
25
26 PROCEDURE Sequence:
27 BEGIN
28   AcqTime:=SI'DM;          ( Total Acquire Time)
29   PreAcqTime:=Tau-Dead2-(P190/2)-(AcqTime/2)+GroupDelay; ( Time Pre-Acquire )
30   PostAcqTime:=Tau-(AcqTime/2)-P190/2+GroupDelay;      ( Time Post-Acquire )
31   Duration:(1,0);
```



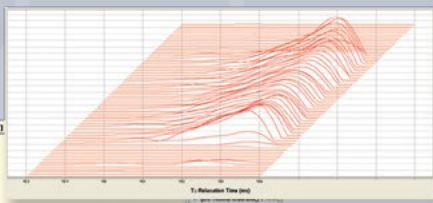
## Run and optimize parameters

Create your own parameter dialogs.



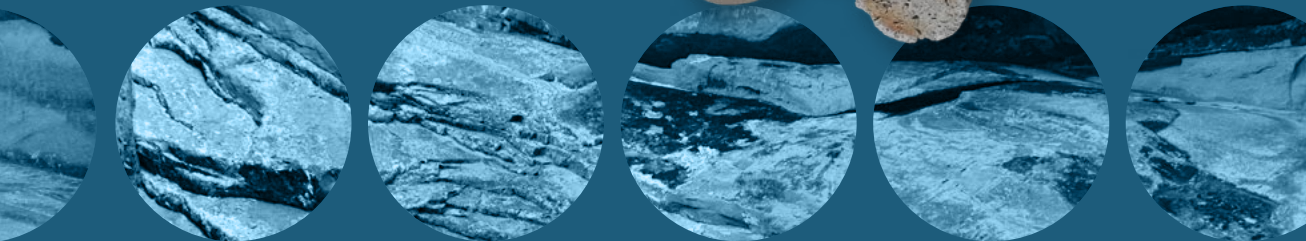
## Instant raw data feedback

Run sequences with real time visualization.



## Routine tests

Once a new pulse sequence and data processing tools have been created in the GIT App Builder, the developer can then integrate the new application into other software packages such as GIT Systems or LithoMetrix. Routine users can then run the newly developed tests without fail. Never before has it been easier to develop your own pulse sequences and package them in a useful way. The GIT App Builder is one more exclusive feature offered to clients using LithoMetrix or GIT Systems software, and is available exclusively on Oxford Instruments' **GeoSpec** instrument range and earlier MARAN Ultra systems.



## Oxford Instruments Industrial Analysis

For more than 20 years, Oxford Instruments Industrial Analysis has been the industry standard for NMR instrumentation for core analysis. With over a hundred installations, Oxford Instruments truly understands the needs of core analysts, whether they be in oil companies, oilfield service companies or academia. Innovation has been the driving force behind Oxford Instruments' growth and success ever since the business spun out from the University of Oxford over 50 years ago. It is now a global company with over 1,300 staff worldwide and a listing on the London Stock Exchange (OXIG).

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## Green Imaging Technologies

Green Imaging Technologies is committed to providing innovative solutions for lab-based analysis of rock core via Nuclear Magnetic Resonance (NMR). GIT's products and services offer fast, accurate, non-destructive analysis of rock core samples used by the oil and gas industry in exploration and reservoir characterization. Beginning with a patented capillary pressure measurement technique in 2005, GIT has the goal of making NMR core analysis more accessible and expanding the analysis that can be done with NMR. GIT's product offerings have evolved and expanded to include a full suite of routine and advanced core analysis tools. A culture of continual innovation has driven the company to be the industry leader in NMR core analysis.

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