



Ground Penetrating Radar Surveys and Post Processing

GP3PRO

Why GPR?

Ground Penetrating Radar (GPR) is a non-destructive technology for detecting underground features and utilities. GPR offers the best resolution of any near surface geophysical investigation technique, relatively fast data acquisition, and reliable results.

For structural investigation, GPR is flexible and easy to implement to recover information from many kinds of structures and different applications. GPR can be used as part in a non-intrusive survey to look into buildings and structures and detect such features as voids, moisture, rebar, utilities, layering and material types.

GPR is able to detect most types of utility (including non-metallic and other targets not detected by EML methods) and also recover additional information about the below surface environment; including the location and extents of reinforced concrete, underground features and structural information.

When used in partnership with EM surveying techniques as part of a PAS128 compliant survey, GPR will elevate the survey quality to the highest level achievable in any given environment.

With our range of GPR from 200Mz to 2000MHz, including low frequency antennas, towed arrays, specialist equipment for utility detection, off-road GPR, horn antennas for road surveys and high frequency antennas for structural surveys. GPR Pro is the ideal provider for your GPR survey needs.



“Cost effective, non-destructive surveying technology”

Why GPR Pro?

Founded on technical knowledge and practical understanding of GPR technology, and with GPR at the core of our business; GPR Pro is a specialist provider of Ground Penetrating Radar surveys, post processing and training.

All GPR Pro staff receive our internal IDS Ingegneria Dei Sistemi approved training program which coupled with our extensive GPR experience, allows them to fully understand the technology and operate it in the most advantageous way for any given environment.

Our projects are managed in accordance with our internal quality control system to ensure that results are delivered to the highest achievable standard. All our drawings are fully reviewed prior to issue.

GPR Pro understands the technical and practical limitations of GPR however, through the use of our customised equipment, efficient working processes and quality control methods we can minimise the limitations of the technology and provide the best results for every job.

GPR Pro does not perform EML surveys therefore our GPR results are our deliverable. Where other surveyors may shield their lack of understanding or technical errors within the survey process, all GPR Pro's GPR results are fully visible and auditable by our customer.



GPR Utility Surveys

Use GPR Pro as part of your PAS128 compliant service.

As specialists in GPR with a wide selection of equipment available, GPR Pro is able to overcome or minimise the operational limitations of GPR technology to provide the best quality survey results.

For large areas, open spaces, airport taxiways, roads and roundabouts, GPR Pro recommends the use of our towed array. We are able to offer a high level of productivity with a quality output similar to a traditional orthogonal grid, at an affordable price, as well as improving safety by reducing in-road working.

For small areas, low speed urban roads, footpaths and areas with obstructions, GPR Pro recommends the use of a hand pushed GPR system in an orthogonal grid format. This system offers the best level of detection, coverage and positioning, as well as manoeuvrability and the ability to see through some rebar and obstructions.

GPR Pro takes care of all of the GPR equipment, data acquisition and post processing, allowing anyone to incorporate a high quality GPR survey into their PAS128 compliant service.

GPR is the ideal technology to complement and overcome the limitations of EML methods.





“Stream EM: high productivity and cost efficient surveys of roads and open spaces”

“Non-destructive technology
for detecting rebar, layers,
obstructions, moisture and voids”



Structural GPR Surveys

Use GPR Pro for your structural, pavement, and pre-drill surveys.

Using our selection of specialist GPR antennas and survey equipment, GPR Pro is able to offer non-destructive GPR surveys to identify features and assess the internal condition of structures, locate foundations, detect deterioration and suggest the best locations for coring or drilling activities.

For building construction and pre-drill surveys GPR Pro utilises our dedicated high frequency GPR antennas to locate rebar, obstructions, voids, layer thicknesses and in-wall utilities. Results can be provided on site or in report and drawing format.

GPR is an ideal technology for concrete investigation and can be used to map rebar, delamination, moisture and corrosion and allows for targeted maintenance and the prevention of unforeseen issues delaying a project.

For pavement surveys our high speed vehicle mounted GPR system allows us to scan roads for layer thicknesses, uniformity and condition, which coupled with the calibration information from cores at targeted locations, is the most cost and time efficient method to survey large areas of carriageway.

GPR Pro is the ideal provider for your structural survey requirements.

info@gprpro.co.uk



GPR Post Processing

We process your GPR data.

No need for complicated software or dedicated post processing staff, just send your data to GPR Pro and we will process it for you.

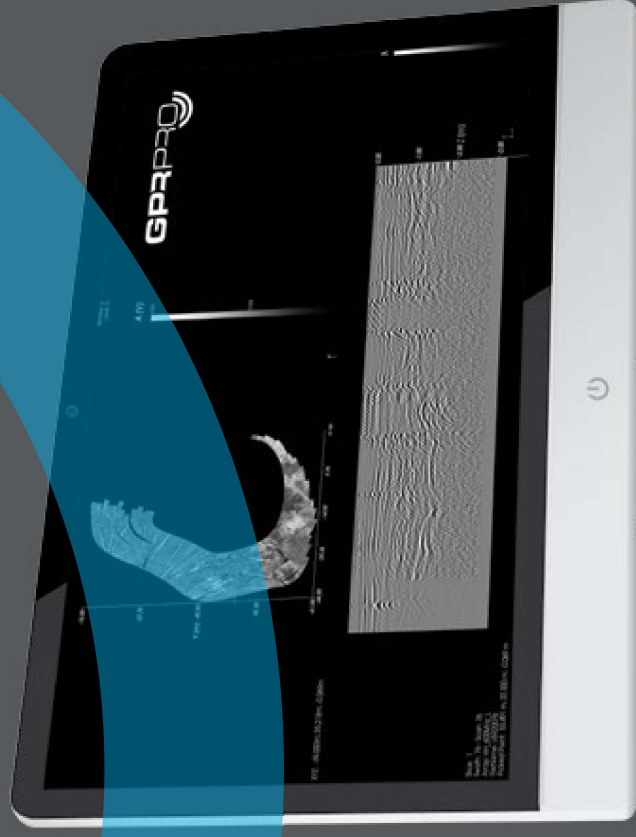
GPR Pro now offers a dedicated GPR post processing service to process and interpret your GPR data. Send us your data and drawing files via a web transfer system, we will analyse the data and deliver the results as a .dwg CAD file in our GPR Pro drawing format with comments for your survey report.

Our dedicated offshore GPR post processing team gives us the capacity to manage multiple projects simultaneously whilst providing cost savings that we can pass on to our customers.

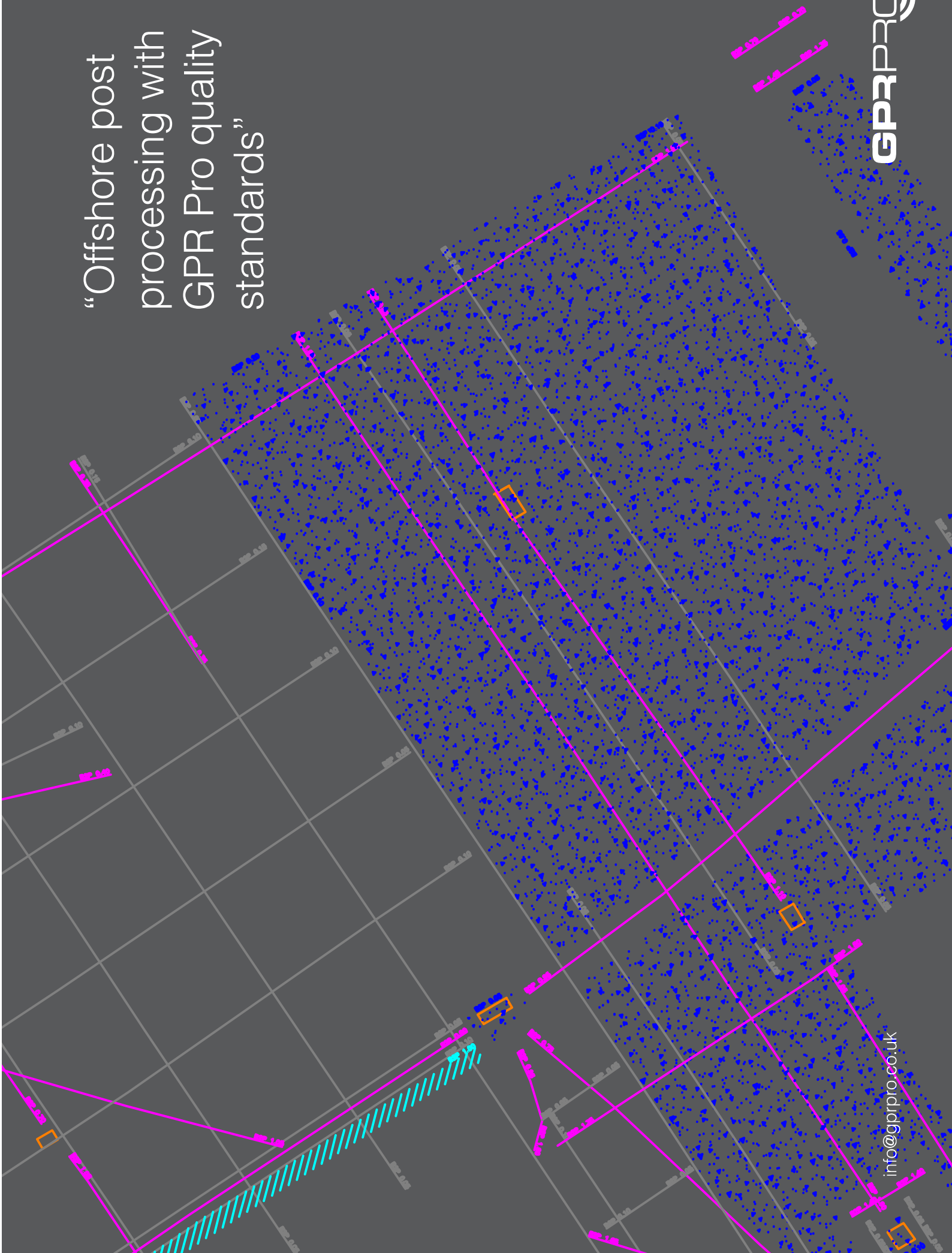
All GPR data post processing is subject to GPR Pro's internal procedure and dedicated quality control system to ensure the highest standards for our deliverables.

Contact us for quotation and current lead times.

GPR Pro are specialists in .dt data processing (IDS GPR) but we are able to analyse data from any kind of GPR.



“Offshore post
processing with
GPR Pro quality
standards”



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Our partners

GPR Pro: Working in partnership with the UK surveying industry to educate and improve standards in GPR deliverables.

Industry Partners & Contractors: Vision surveys, Select Surveys, Murphy Surveys, Shieling Projects, Rook Surveys, Mason Surveys, SDS, 3D Engineering Surveys, UTEC, SEP (and many others), as well as contractors such as BAM Nuttal, Balfour Beatty, Mott MacDonald, Beard Construction, Lagan Construction, Lorient, Dyer and Butler, Ferroviario Agroman, Leyton Group and suppliers including IDS Ingegneria Dei Sistemi, Allied Geophysical, and Drillline Products.

GPR Pro is proud to be a member of the EuroGPR Association.

“We have been co-operating with GPR Pro and am always completely satisfied with the service and quality of their work. We would fully recommend them for any project knowing they will deliver top quality data and always go the extra mile to deliver.”

Mr J Grey, CEO, Vision Surveys Ltd

“A Great company to work with, GPR Pro provided a very professional service on time and on budget. We found their knowledgeable staff very easy to deal with and they are top of the list for our next project.”

Mr D Cordell, CEO, Select Surveys Ltd

“GPR Pro introduced graphical easy to interpret reports, just what we needed. We would recommend GPR Pro especially for producing great results within tight deadlines.”

Mr C Murphy, CEO, Rook Services Ltd

A message from our MD

"GPR Pro is a specialist GPR company aiming to provide the best quality GPR service and deliverables in the surveying industry.

Built on a foundation of GPR knowledge and practical experience, GPR Pro remains the prime consultant for the University of Greenwich Civil Engineering department, providing all GPR related support and training required by the university, whilst working to develop relationships with other academic institutions.

We are constantly working to minimise the limitations of our GPR technology to provide the highest quality results and most reliable service in the GPR industry.

GPR Pro has grown to become a prime service provider for Heathrow, and Gatwick airports, trained over 100 GPR engineers, provided structural surveys and GPR utility surveys from London to Lands End to Aberdeen. We pride ourselves on our quality of service and industry leading technology, methods and results.

Kevin

Kevin Banks

Kevin Banks
Managing Director



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