شريكت ميڤ بروني شيل سندريين برحد
Brunei Shell Petroleum Co Sdn Bhd
Jalan Utara, Panaga
Seria KB3534
Negara Brunei Darussalam
Website: www.bsp.com.bn

Tel: +673 3373999
Fax: +673 3372040

18th November 2026

Dear Sir/Madam,

Invitation for 'Expression of Interest' for AI powered intgrity assesment

Brunei Shell Petroleum Co. Sdn. Bhd. (BSP) seeks Expressions of Interest from suitably qualified and experienced companies for the provision of AI-powered Asset integrity Services in support of its offshore operations. The services combine laser scanning (or other suitable data-capture means) with artificial intelligence to inspect pressurised equipment and to assess the coating condition of structures and Pressure Equipment Items (PEI).

Scope:

BSP is committed to maintaining the reliability, integrity and availability of its assets. The intent is to replace labour-intensive, manual Asset integrity campaigns with a consistent, data-driven service that reduces offshore man-hours and exposure, improves the quality and comparability of Asset integrity findings, and delivers a digital asset record that can be reused for planning and execution of work.

BSP is looking for a vendor to provide AI-powered Asset integrity services for approximately 40 offshore platforms per year. Services shall be provided in accordance with BSP's standards and requirements. The number of platforms is indicative only and there is no guaranteed workload.

The services under this EoI include, but are not limited to, the following:

No.	Scope	Description
1	Integrity Assessment of Pressurised Equipment	Provide integrity assessment of PEI, using laser scanning or other suitable means combined with AI-based analysis, of piping, pressure vessels, tanks, heat exchangers and other pressurised equipment, including identification and quantification of corrosion, deformation, coating and insulation damage, leaks, support condition and other detectable degradation.
2	Fabric Maintenance of Structures and PEI Equipment	Provide condition assessment of structures and PEI equipment in support of fabric maintenance, including coating condition, corrosion and degradation of structural steel, decks, handrails, supports, piping and equipment.
3	Equipment Asset integrity Reports	Provide an integrity assessment report for each equipment item, including, where needed, a workscope for further required NDT and/or repair (maintenance or turnaround organisation), traceable to equipment tag numbers and supported by images, measurements and point-cloud extracts.
4	Fabric Maintenance Overview	Provide an overview of the painted surface condition based on the BSP Re rating (as per BSP standard, different from ISO and ASTM), with a defined scope the area above a specified Re rating, for fabric maintenance. This scope should contain a prioritisation and surface area estimation based on practical execution of the scope.
5	3D As-Built Model	Provide a geometrical 3D as-built model of each platform for the purpose of workpacking and virtual platform visits, with equipment tagging and linkage to Asset integrity findings.
6	Data Capture, AI Analysis & Digital Delivery	Provide data capture suitable for live offshore process areas including hazardous areas, AI-based defect detection and classification with qualified human verification, and delivery of reports, models and data in open formats compatible with BSP systems.

7	Quality, Safety & Compliance	Comply with applicable BSP standards, statutory requirements, and relevant industry inspection, quality and safety standards.
8	Personnel & Competency	Provide competent and suitably qualified personnel appropriate to the scope of services, including offshore-capable survey crews and qualified Asset integrity engineers to review and approve findings.

BSP Criteria:

9	Rusting (Re) Rating of Painted Surfaces	Ability to assess painted surfaces against the BSP specific Re rating standard (available to shortlisted respondents under confidentiality), including demonstration of how AI models are configured, trained and validated against this standard.
10	Asset integrity Competence & Accreditation	Demonstrate Asset integrity competence through relevant accreditation, approval or certification (for example, an accredited inspection body or equivalent) and personnel qualified to relevant Asset integrity and NDT standards.
11	Data Residency	All data, including scan data, point clouds, imagery, 3D models, Asset integrity reports and any derived data, shall be stored in Brunei Darussalam, either on BSP or Vendor infrastructure located in the country, or on a cloud or hosting facility physically located in the country. This includes backups and disaster recovery copies. Any transfer, access or processing of BSP data outside the country (for example, for AI processing) requires the prior written approval of BSP, shall be limited to what is necessary, and shall not result in data being retained outside the country after processing. On completion of the Contract, data shall be returned to BSP and securely deleted from Vendor systems.

Vendor Eligibility Criteria

BSP is looking for vendors that can meet the following requirements:

1. **Core Asset integrity Experience (Mandatory)**
   The Vendor shall demonstrate experience in the management and execution of Asset integrity services for pressurised equipment and structures. Experience within the oil and gas, petrochemical, power generation or other heavy industrial sectors, and offshore experience in particular, is preferred.

2. **Technology and Technical Competence (Mandatory)**
   The Vendor shall demonstrate access to proven laser scanning or equivalent reality-capture technology, equipment certified for use in hazardous areas, suitably qualified personnel, and a quality management system necessary to deliver the services at a scale of approximately 40 platforms per year.

3. **AI Capability and Validation (Mandatory)**
   The Vendor shall demonstrate a working AI-based analysis capability with evidence of validation (for example, detection rates and false-positive rates), a defined process for human verification of results, and the ability to adapt to a client-specific rating standard.

4. **Technical Partnerships (Preferred)**
   Vendors shall demonstrate established partnerships, licensing agreements, technology affiliations or technical collaboration arrangements that enhance their capability to deliver the proposed service, including scanning, NDT and modelling capabilities.

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5. **Capability Expansion (Preferred)**
   Vendors are encouraged to indicate existing or planned capabilities that may support additional requirements, including integration with risk-based inspection (RBI) and asset integrity systems, thickness measurement and other NDT, robotic or drone-based access, and repair or coating support.

6. **Local Presence and Operational Capability (Preferred)**
   The Vendor shall have an established presence in Brunei Darussalam, or demonstrate the ability to establish and maintain the facilities, personnel and management systems necessary to support the Contract.

7. **HSE and Quality Systems (Mandatory)**
   The Vendor shall demonstrate the implementation of recognised Health, Safety, Environment and Quality (HSEQ) management systems relevant to the services being proposed, including offshore safety competence.

Demonstration and Analysis Example

As part of the pre-qualification and evaluation process, BSP reserves the right to request shortlisted respondents to demonstrate their proposed AI-powered Asset integrity solution at a later stage. The demonstration may take one or both of the following forms, at BSP's discretion:

a. Live demonstration: a walkthrough of the software and workflow, including data processing, AI-based defect detection, equipment Asset integrity reporting, Re rating and repaint-area quantification, and use of the 3D as-built model for workpacking and virtual platform visits.

b. Analysis example on BSP data: an analysis of laser scan data (and any associated imagery) supplied by BSP from a selected facility. The respondent shall process the data using the proposed solution and present the results, including sample equipment Asset integrity reports with recommended NDT and/or repair workscopes, a fabric condition overview with the quantified area above a specified Re rating, and a sample 3D model or extract.

Company-provided data will remain the property of BSP, shall be treated as confidential, shall be used solely for the purpose of this evaluation, and shall be returned or securely deleted on completion. Respondents shall confirm their willingness and ability to participate. The scope, timing and format of the demonstration, including any requirements on turnaround time, will be communicated to shortlisted respondents. Unless otherwise agreed, respondents shall bear their own costs of preparing and delivering the demonstration.

Local Business Development (LBD)

Brunei Shell Joint Venture (BSJV) Companies' LBD requirements are in line with the LBD Directives as issued by the Department of Energy, Upstream and Downstream at the Prime Minister Office. This scope falls under the **Highly Specialised** Quadrant of the LBD Framework.

- EoI is open for **ALL** companies only;
- The owners of the company must actively participate in its management and day to day running of the business;
- Target for recruitment and development of suitably qualified Bruneian staff, including graduates will be part of Tender / Contract.

Tender/Contract Schedule

- Planned Tender Date : Q2 2027
- Contract Duration: 5 Years

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Registration of Vendor in SMART system

- Kindly register your company under **Digitalisation** – (Work Category : Digitisation, HSSE, Production Improvement) by **2 weeks after EoI Deadline**
- For non-BSJV registered vendor, please refer to https://www.bsp.com.bn/main/icv/doing-business-with-bsjv/getting-registered for further information on how to register with BSJV.
- For details on Work Category and Product Group, please refer to: https://www.bsp.com.bn/main/icv/doing-business-with-bsjv/local-business-development/products-and-services. For existing BSJV vendors, please ensure that your company details are updated online in Smart By GEP.
- Acceptance of your company registration shall be in compliance to our registration checklist and criteria

For any SMART registration-related queries, kindly email to: bsp-scm13-vendor-registration@bsp-shell.bn.

For any EoI related queries, kindly post your queries in the Discussion Forum in SMARTGEP.

Kindly complete and submit attached form and questionnaire (Appendix 1) no later than **Thursday, 3 December 2026 at 10:00 AM**.

Submission may be made through either the following channels:

1. BSP website - Expression of Interest (EOI) page - (Open for all Companies)
2. SMARTGEP – Applicable to supplier registered in SMART and classified under the **Digitalisation** Category.

The completed questionnaire shall be submitted under the Questionnaire section in SMARTGEP.

This Expression of Interest shall not be deemed to be an invitation to tender. **BSP** shall have the right and sole discretion to reject any part or all of the response made by the Vendor. **BSP** shall have the right and sole discretion to determine the bidders for this tender. This letter serves solely for the purpose of obtaining Expressions of Interest and shall neither in any way be construed as to create any legal obligation on the parties responding to this advertisement nor mentioned herein. Expenses incurred in connection to this shall be borne in its entirety by the interested parties.

Yours faithfully,
For **BRUNEI SHELL PETROLEUM COMPANY SENDIRIAN BERHAD**

Alan W. K. Tan
Operations Maintenance
SCM/221

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APPENDIX 1

1. Are you interested to participate in the upcoming tender
2. Please indicate which scope are you interested to participate in : -

APPENDIX 2 - EXPRESSIONS OF INTEREST FOR Maintenance, Repair, Overhaul and Testing (MROT) Services

3. Please list down the details of all owners of your company:

Full Name	I/C Number and/or Sijil Kerakyatan (SK) /Akuan Kerakyatan (AK)	I/C Colour	Rakyat Jati/Local/ Non-Local[1]

4. Please complete this section by ticking YES or NO:

		Yes	No
1	Are you willing to comply with all applicable laws and regulations of Brunei Darussalam, including Government of Brunei Darussalam's National Retirement Scheme (SPK) requirements effective on 15th July 2023?		
2	Please confirm that the owners of your company are actively managing the day-to-day operations of your company. (Kindly provide owner's details in table 'A' provided below)		
3	Have you or any of your key personnel worked for BSJV Companies in the last 2 years? (If 'YES' Kindly provide details in table 'B' provided below)		

A. Kindly provide owner details in the table below:

Full Name	% of Shares	Actively Managing Company's Operation (Y/N)	Position	Availability of Corporate Bank Account (Y/N)	Authorised Signatories (Y/N)

[1] Rakyat Jati – Brunei Citizens belonging to one of the indigenous group of the Malay race, namely, Belait, Bisayah, Brunei, Dusun, Kedayan, Murut or Tutong
Local – Brunei Citizens means subjects of His Majesty the Sultan and Yang Di-Pertuan holding a Brunei Yellow IC
Non-Local – Not 'Bumiputra' and 'Local'
Authorised Signatories – any individual with financial authority to the Company's corporate bank account.

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B. Please provide Ex-BSJV details (who worked for BSJV Companies in the last 2 years) in the table below:

Full Name	Position in Tenderer's Company	Involvement in Existing EoI/Tender (i.e. Tender Preparation; Contract Execution; etc)	Year Left BSJV Company	Job Title, Indicator, Department

5. Business Capability

General (Current Capability).

1	Describe your Asset integrity service and AI capabilities.	
2	How many years of experience do you have in Oil & Gas Asset integrity services?	
3	Please provide a list of your major Oil & Gas clients over the last five (5) years.	
4	Please provide at least five (5) relevant project references, including offshore campaigns.	
5	Are you currently providing services to offshore and onshore Oil & Gas facilities?	
6	Do you have technology partnerships, licences or equivalent arrangements? If yes, provide details.	
7	What is your largest annual programme (number of platforms or assets), and what capacity do you have for approximately 40 platforms per year?	
8	What is your typical time on board per platform, and how do you minimise personnel on board?	
9	What is your standard processing time from data capture to issued reports and models?	
10	How many employees are currently employed by your Company?	
11	Are you willing and able to demonstrate your solution and/or analyse Company-provided scan data at a later stage? Please state the typical effort and turnaround time	

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6. Digitalization and Asset Management system

1	Which data-capture technologies do you propose (laser scanning, photogrammetry, imaging, other), and what accuracy and resolution do they achieve and/or do you need?	
2	Is your equipment certified for use in hazardous (Ex-classified) areas?	
3	Which defect types can your AI detect and quantify (for example, corrosion, deformation, coating damage, CUI indicators, leaks)?	
4	Please provide validation evidence for your AI models, including detection rates and false-positive rates.	
5	How are AI findings verified by qualified personnel before they are issued?	
6	Can your AI be configured and trained to a client-specific coating rating (Re rating) standard? Describe the approach and validation.	
7	How do you determine the quantified painted area above a specified rating, and with what accuracy?	
8	How do you handle limitations (blind spots) such as access, obstructions, insulation and cladding, and how are these reported?	
9	How do your services interface with complementary NDT methods, and how are NDT workscopes generated?	
10	Do you provide KPI and performance dashboards?	
11	Can documentation be integrated into client systems?	

7. Deliverables, 3D Model and Digital Asset Management

No.	Question	Response
1	Do you provide a geometrical 3D as-built model suitable for workpacking and virtual platform visits? Describe format, level of detail and accuracy.	
2	Can the model be linked to equipment tags and Asset integrity findings?	
3	Do you provide an Asset integrity report for each equipment item, including a workscope for further NDT and/or repair? Please provide an anonymised example.	
4	Do you provide a fabric maintenance overview with quantified repaint areas? Please provide an anonymised example.	

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No.	Question	Response
5	In which open formats can models, point clouds and reports be delivered?	
6	Can documentation and data be integrated into client inspection, asset integrity and maintenance management systems?	
7	Can historical Asset integrity data be compared between campaigns to quantify degradation rates?	
8	Do clients have access to models, reports and status through an online portal?	
9	What is the retention period for Asset integrity records and data, and can historical records be searched by tag number, platform or work order?	
10	Do you provide KPI and performance dashboards?	
11	Are cybersecurity and data recovery measures implemented for digital records?	
12	Confirm that all data and deliverables remain the property of BSP.	
13	Where will Company data (scans, models, reports and backups) be stored and processed? Confirm that all storage, including backups and disaster recovery, will be located in Brunei Darussalam, and identify the hosting provider and facility. State any data flows outside the country and how they would be avoided or controlled.	

I, hereby, declare that all the information provided herein is accurate and acknowledge that BSJV companies reserve the right to exclude my Company from any subsequent tenders, should there be any deviations to such information.

Signature : _____ Dated this day of , 202

Name : _____

Position Held : _____

Contact No. : _____ (O)

: _____ (M)

Email : _____

Duly authorised to sign EoIs for and on behalf of:

.....

..... (Registered Address)