SuggiForesite

Resource company data onboarding

IT integration specification and pilot acceptance guide

Products. Private pricing. Haulage. Contract agreements. Project material ledger.

Commercial Foresight
Find the opportunity. Forecast the demand. Prepare to win the work.

Purpose

Give your IT and operations teams a clear path to supply authorised data without duplicating project demand, exposing customer terms or treating incomplete records as live intelligence.

What is implemented now

Authenticated company private agreement records; CSV intake for dispatch and accepted weighbridge evidence; CSV order and reservation snapshots; computed ledger quantities and recovery warnings; an explicit deidentified AI review request. Quantities recalculate on refresh and after successful uploads. No automatic external system polling is configured.

What is not connected yet

No partner source system, source credentials or mapping specification has been supplied. Product catalogue, COB stock, production, carrier feeds and contract pricing imports are proposed connection work, not commissioned integrations. Daily dynamic pricing remains a demonstration. Customer specific approved quotes have a separate private storage foundation; live contract precedence and booking controls remain to be implemented and validated.

Operational release condition: signed in end to end checks, cross company access checks and reconciliation against the partner source must pass before operational reliance. There are currently no registered auth users available for those checks.

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02 / PARTNER IT ONBOARDING

Connection route and responsibilities

Start with authorised exports

Use the current in app CSV path for the first agreed company and project package. A signed in account must be linked to the resource company by an administrator. Select the correct agreement before importing. This links every uploaded record to that supplier agreement, not to an unrelated public project or demonstration record.

Phase	Partner IT supplies	SuggiForesite responsibility
1. Mapping	System names and versions; data owner approval; synthetic export; field dictionary; stable IDs; timezone and units.	Approve a source mapping, ownership boundary, revision model and acceptance checklist.
2. Controlled import	Authorised CSV exports and completeness declaration for each feed.	Validate every row; save the batch atomically; reject duplicates; recalculate separate stages.
3. Automated adapter, proposed	Read only API or scheduled export specification; revocable service identity; change and deletion semantics.	Implement and test an authenticated adapter, durable checkpoints, deduplication, retry and monitoring. No machine ingestion URL is available in this version.
4. Pilot sign off	Operations checks source totals and commercial owner validates agreement rules.	Release only after the tests on page 7 pass; preserve last good data and visible freshness on source failure.

Security requirements

Credentials must be exchanged through an approved secret channel, never in CSV files, email attachments or browser code. Read only access to the partner system; write access in SuggiForesite is limited to authorised intake. No source order, booking or agreement is changed automatically.

Company isolation applies to uploads and review. Contractors must never see another contractor's volumes or terms. This version is a resource company operations workspace, not a contractor portal. Contractor package access and machine service permissions require explicit implementation and verification before wider rollout.

Proposed refresh targets, subject to partner capability

Dispatch, acceptance and reservations: event driven where supported, otherwise an agreed short polling interval. COB stock: at the site closing cutoff, with interim updates only when validated. Catalogue and contracts: on authorised revision. Each source needs its own complete through timestamp and expected next update; missing feeds must not be labelled current.

Project ledger: exact intake and quantity rules

Current link: a selected supplier agreement owns a product package and cumulative milestones. Imported order lines, reservations and loads inherit that agreement. Use one source of truth for each order or reservation line; sending the same line from two systems will duplicate it and is not accepted as a valid mapping.

CSV stream	Required columns and values
Dispatch	Load ID, Date, Product, Tonnes, Status. Status: dispatched.
Weighbridge acceptance	Load ID, Date, Product, Tonnes, Status. Status: accepted, rejected or returned. The source must certify accepted means site acceptance; an outbound quarry weight alone is not delivered evidence.
Order and reservation snapshots	Source System, Source Ref, Revision, Kind, Product, Tonnes, As Of. Kind: ordered or reserved; revision is a positive integer. Each source ref identifies one unique source line.

CSV dates accept YYYY-MM-DD or Australian DD/MM/YYYY. Headers are case insensitive with spaces normalised. Maximum 2 MB and 5000 rows per upload. Invalid rows reject the entire batch. Dispatch and weight records cannot be future dated. Repeated physical load ID plus record type is rejected; correction of existing load evidence needs a controlled review process, not a second invented load ID.

Metric	Meaning and calculation
Ordered	Latest revision per source line: total net commitment including tonnes already fulfilled. A cancelled line is a higher revision with zero tonnes.
Reserved	Latest revision per reservation line: confirmed outstanding reserved tonnes, excluding dispatched, released and expired reservations. Informational only; not an atomic stock reservation.
Dispatched	Unique matched product dispatch evidence. Never added to delivered to calculate demand.
Delivered	Accepted weighbridge tonnes, counted once per physical load. Rejected and returned loads do not reduce the agreement remainder.
Remaining agreement	Maximum of zero and final agreed tonnes less accepted tonnes. Unfulfilled ordered tonnes are separately ordered less accepted; stages must not be summed.

Missing order or reservation feeds remain Unknown. Old snapshots show their reporting dates and do not claim today's currency. Quantity differences, product mismatches, unmatched loads and agreement overruns need human review. The 0.01 tonne measurement difference trigger is a review setting, not a contractual breach threshold.

Product offering and verified availability

Proposed mapping, not yet an import endpoint. The partner catalogue must be validated before it can drive pricing or delivery eligibility.

Dataset	Minimum fields IT must map
Product catalogue	Supplier product ID, product name, quarry or plant ID, unit, active status, valid dates, source revision, source timestamp. Keep sand, aggregate, road base, asphalt and concrete offerings distinct.
Specification evidence	Adopted authority and specification version, product classification or type, test certificate ID, test date and expiry where applicable, limitations and project approval reference.
Closing stock	Site ID, product ID, stockpile or lot ID, measured physical tonnes, saleable approved tonnes, quarantined tonnes, measurement method, measured at, close of business cutoff, revision.
Production and commitments	Expected production by product and date, confidence and approval; committed allocation IDs, existing reservations, dispatches, releases and adjustments. Identify whether stock is gross or already net of reservations.

SEQ specificity

A name such as road base or bedding sand does not prove specification compliance. Use the project adopted authority, type and test evidence. TMR MRTS05 must be mapped to the adopted project version and requirements. Council, utility and private project bedding and pavement requirements vary. Do not infer universal acceptance or substitute products automatically.

Saleable availability rule

Use verified saleable stock, qualified production and valid reservations on the same product, site and reporting boundary. Do not subtract reservations twice if a source already reports available stock net of allocations. Unsupported stock, test or production values stay unavailable, never zero by assumption.

Identity mapping

Maintain a controlled mapping between partner product IDs and SuggiForesite product packages. A one to many product match needs technical approval. The current CSV ledger matches the entered product text; a governed ID catalogue and specification resolver are future connector work.

Customer pricing and contract agreements

Private commercial mapping. No public rate feed or benchmark prices. No actual rate values appear in this guide.

Record	Required commercial fields
Customer authority	Customer login ID, supplier tenant, office reference, project and package reference; authorised commercial contact; access scope and revocation status. Company membership alone does not grant customer pricing authority.
Contract header	Agreement ID, revision, customer and office context, project package, status, effective and expiry dates, approved variation reference, source document reference, authorised approver.
Contract line	Product or haulage lane ID, unit, currency, tax treatment, private agreed rate, volume commitment, tolerances, delivery scope, adjustment formula and conditions, validity, approval evidence.
Noncontracted daily proposal	Applicable customer context, proposed product and haulage rate components, input evidence timestamps, cost and margin basis, validity window, approver and decision reference.

Required precedence before live pricing

An active applicable contract governs the line. Daily or surge proposals must not overwrite contracted terms. Only the contract's authorised adjustment mechanism or an approved variation can change those terms. Ambiguous, overlapping, expired or unmatched agreements create a review gap, not an automatic fallback price.

Each approved quote must be traceable to its customer login, office, project, supplier product or lane, revision and validity. Tax, units, minimum loads, waiting time and surcharges must be explicit rather than folded into an ambiguous rate. Separate ex quarry product and delivery charges unless the agreement expressly defines a combined delivered rate.

Implementation status

Customer context and approved private quote storage exist. Administrators provision these records. Daily pricing is a private sample review. Automated catalogue and contract imports, contract precedence, validated surge drivers and live rate publication to authorised customers are not commissioned yet. This PDF describes their required acceptance contract, not a claim that they are live.

AI boundary

AI Gateway receives deidentified computed volume evidence only after explicit authorisation. No customer names, original load IDs, addresses or rates are sent by the current review. AI summarises review reasons; deterministic rules calculate quantities and flags. It cannot approve prices, apply penalties, reserve inventory or change agreements.

Haulage, delivery and recovery warnings

Feed	Required partner mapping
Fleet and carrier capacity	Carrier ID, vehicle ID and class, legal and route compatible payload, available window, confirmed capacity, confirmation timestamp, availability expiry, source revision.
Lane and site access	Origin and destination IDs, permitted route or access restrictions, receiving windows, loading constraints, delivery dates, estimated travel and turnaround assumptions, route evidence.
Dispatch lifecycle	Order line, reservation ID, physical load ID, product and site IDs, dispatch event, weighbridge ID, gross/tare/net units, site acceptance, rejection or return evidence and event timestamps.
Haulage commercial terms	Customer contract context, private lane rate and unit, validity, fuel adjustment conditions, waiting and cancellation terms, approval reference. Rates never create missing capacity.

Delivered purchase gate, required before live booking

Material and compatible confirmed transport must both support requested tonnes in the delivery window. Site receiving capacity must support the plan. An automated delivered purchase requires a durable atomic material and haulage reservation with concurrency controls, expiry and release handling. The current ledger reports evidence; it does not confirm purchases or create bookings.

Early recovery point

Starting pilot proposal: warn at 10% behind an agreed due cumulative milestone, or when operating days remaining reach recovery days + mobilisation days + buffer days, whichever comes first. Recovery days are remaining tonnes to the next milestone divided by confirmed daily delivery capacity, rounded up. Starting allowances: 5 operating days mobilisation and 2 operating days buffer. These are configurable pilot assumptions, not SEQ industry standards.

Example with illustrative quantities only: 1000 tonnes remain and validated daily capacity is 200 tonnes. Recovery needs 5 operating days. With 5 mobilisation days and 2 buffer days, review should start with 12 operating days remaining, not on the final delivery day. Capacity is the lowest of material, confirmed compatible trucks and site receiving capability.

Only agreed working dates count; exclude closures and nonworking days. Incomplete feeds, unconfirmed capacity or conflicting evidence produce an Evidence gap. A warning proposes an operations discussion; it never cancels or changes the civil contractor's plan. Thresholds require partner approval and pilot validation.

Acceptance checklist and operational handover

Test	Release evidence required
Identity and privacy	Company A cannot read or upload company B records. A customer cannot access another login's price, even within the same office or company. Contractor quantities remain package scoped before any contractor portal is released.
Source reconciliation	Signed in upload reads back in the UI and survives reload. Source order, reservation, dispatch and accepted totals reconcile for a chosen agreement and reporting cutoff.
Deduplication and revision	Repeat upload fails without partial inserts. New order revision replaces the prior value in totals. Cancellation is zero at a higher revision. Multiple bids never become multiple project commitments.
Delivery exceptions	Rejected or returned evidence does not count as accepted. Missing dispatch or acceptance is flagged. Product mismatch and over agreement volume are visible. Outbound weighing alone is not site acceptance.
Freshness and outage	Define per feed completeness and expected update time. An outage preserves last good readings and visible stale status. No missing feed silently becomes zero. Automated adapters must prove restart checkpoint and replay behaviour.
Pricing and booking	Test contract precedence, expiry and authorised variation; per login visibility; margin approvals; concurrent stock and haulage reservations. No live sales release until these unbuilt controls are implemented.
Operations and AI	Operations validates working calendar, capacity and early flag settings. AI failure preserves calculated results; AI cannot mutate commercial or operational records.

Partner handover pack

Provide a named IT owner and operations approver; system and API/export documentation; permitted data scope; synthetic sample rows; source ID and revision dictionary; units and timezone; completeness definition; correction and cancellation policy; agreed cadence and outage escalation; contractual access and retention requirements. Do not provide credentials in the pack.

Next decision

Select one authorised resource company, one quarry or plant and one project package. Validate controlled CSV intake first. Agree the automated connector scope only after the source specification is available. The current implementation is an intake and review foundation, not a certified integration for an unnamed dispatch or weighbridge system.

Guide review: prepared 17 November 2026. Version 1. No confidential company records or market rate values included. Contact +61 4937 18841 through www.suggiforesite.com.