



Integrated Operations Planning

Gary Macdonald
Gwen Moran



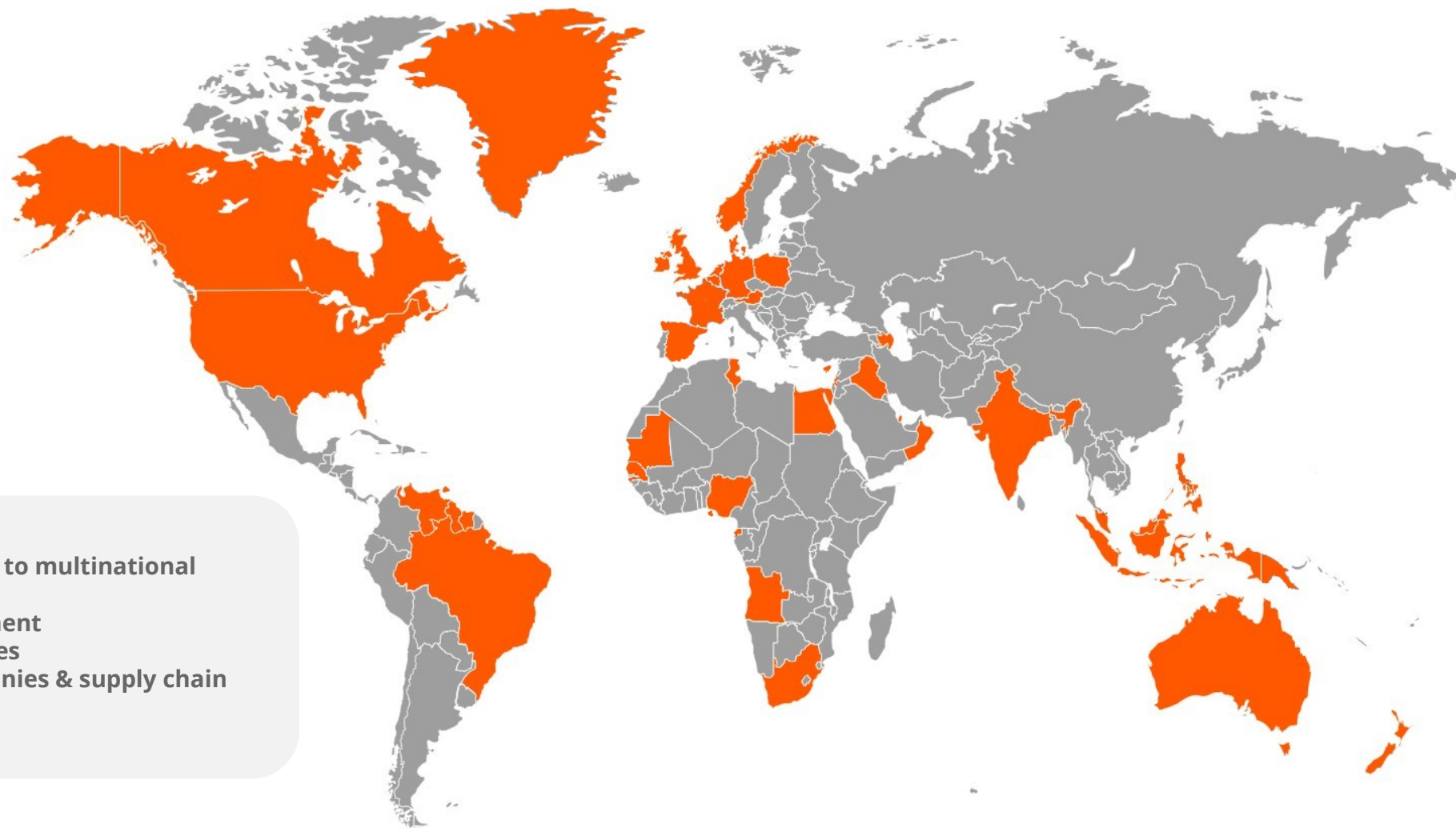


Collabro and Legare™

CONFIDENTIAL



Trusted Worldwide - Blue Chip Organisations & Governments :



Leading provider to multinational companies:

- Every continent
- 35 + countries
- 125 + companies & supply chain partners

Leading provider of Planning Integration & Workforce Management Solutions

- Team of software engineers and business process specialists
- Wide range of customisable and award winning software
- Long term partner of major multinationals and Government bodies
 - E.g. Worked with TotalEnergies for 20+ years
- We provide:
 - Commercial Software
 - Bespoke Software Development
 - Managed Services, SaaS, Cloud Hosting, DBA, Helpdesk, Training and Consultancy
- Our approach emphasises client collaboration and we are renowned for our bespoke solution delivery and high service quality.
- A service partner you can rely upon for your mission critical applications.
- Independently certified & audited
 - ISO27001, ISO27701, ISO27017, ISO9001

Contact gwen.moran@collabro-group.com

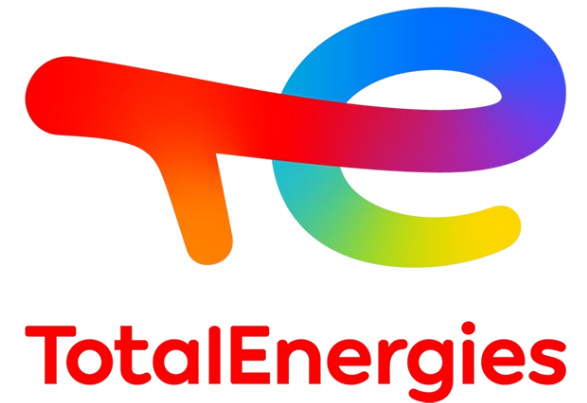


Connecting your company planning systems.

*Legare™ enables true **Integrated Planning**. It synchronises data across existing systems to eliminate data silos and provide a **single version of the truth (SVOT)** across disparate departments, databases, offices, and IT systems.*

- Legare™ integrates Primavera P6 EPPM bi-directionally with:
 - ERP systems such as SAP/Maximo/JDE/IFS etc.
 - Microsoft Office (e.g. Project, Excel etc.)
 - Other systems e.g. Permit to Work, Verification, Maintenance, and more...
- Functionality:
 - Supports API and legacy data connections
 - User configurable data integrations
 - Secure, auditable and high performance
- Benefits:
 - Legare™ improves data integrity, reduces risk, increases operational efficiency and provides material cost savings.

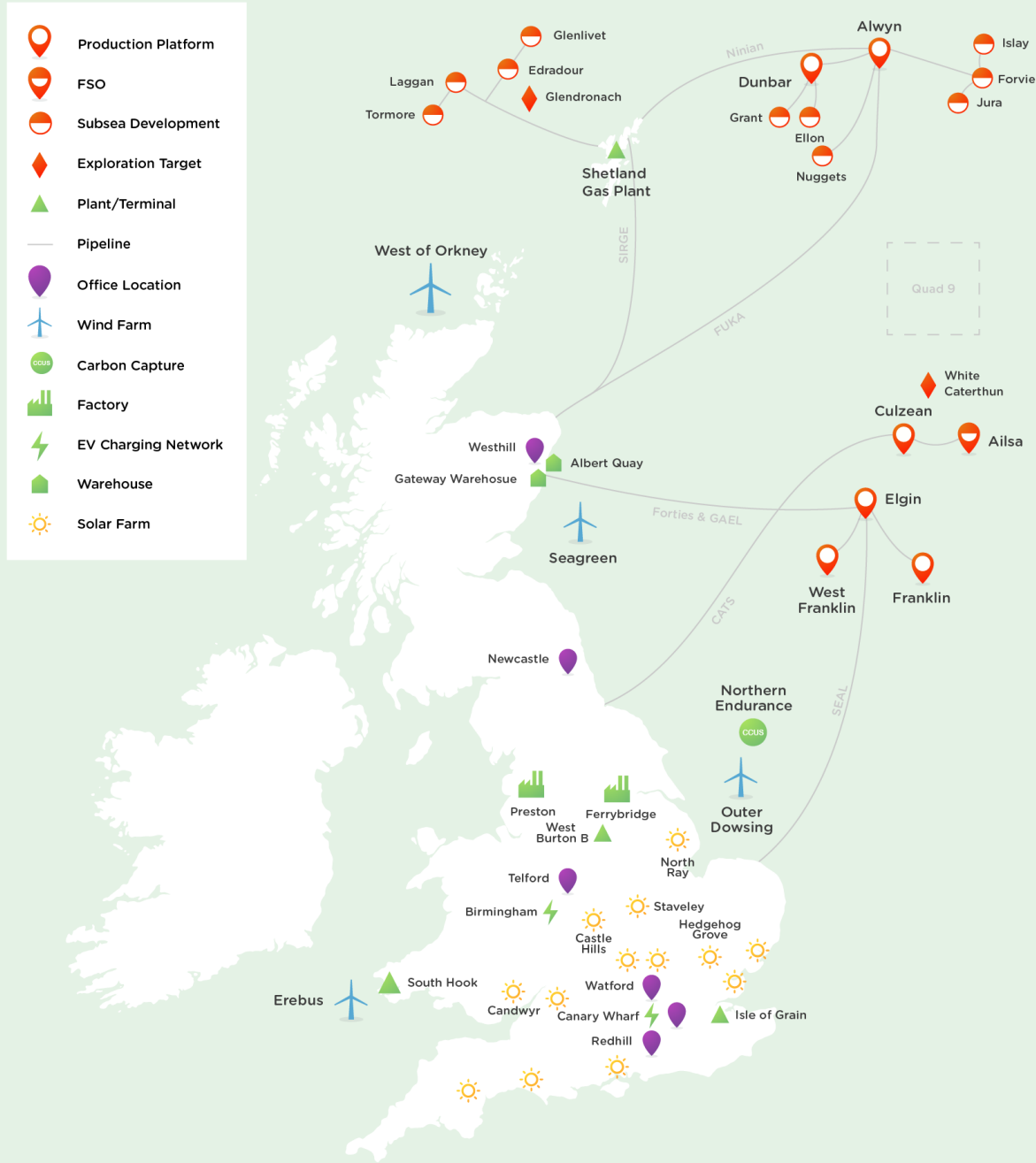




Integrated Operations Planning

- TotalEnergies E&P UK Limited
- Gary Macdonald – Corporate Planner

2025 RPC Primavera Project Professionals Conference



TotalEnergies is a multi-energy company operating in more than 120 countries.

Sustainable aviation fuel Refining
 Battery storage Oil Biomass
 Onshore wind Hydrogen Gas
 Biofuels Service stations Solar
 Liquefied Natural Gas
 Offshore wind Carbon capture & storage
 Engine oil EV charging Bitumen

PLANNING TOOLS



- OnePager is used to produce our high-level management plans, such as the UK 5-year Corporate Plan.



- TotalEnergies standard planning software used to maintain IOP, Maintenance, Engineering & Construction, Shutdown and Project plans.



- TotalEnergies ERP system, housing our Maintenance Management & Workorder creation.



- Flight and Personnel On Board (POB) management tool serving all our offshore manned assets. This includes managing the certification requirements of those travelling to our worksites.



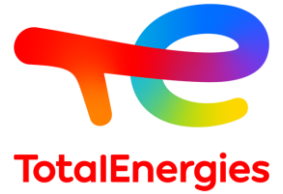
- **Site Mobilisation And Readiness Tracker** is an in-house developed digital workflow system that allows Activity Owners to submit and track activities, mobilisations and planning gate requirements.



- Power BI – Captures our KPIs and presents our IOP Performance Dashboard



PROBLEM STATEMENT



Maintenance Management

- Transfer of workorders from Maintenance Management system (SAP) to Primavera.
- System manually triggered daily and left users unable to work online for sometimes several hours per day.
- Data received was a simple A=A, unable to manipulate data.

Personnel on Board (POB) Management

- Bedding capacity is a key constraint in planning work.
- 30,000 passenger movements per year.
- Planners spending in excess of 40mins per day manually extracting data from the Vantage Flight Management system to spreadsheets, working with constraints and trying to fit square pegs in round holes!

PROJECT



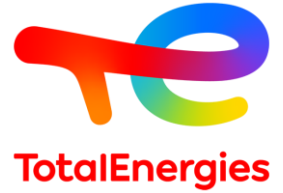
Maintenance Management

- Joint project with other TotalEnergies affiliates around the world to find a common tool that would not rely on the vendor to make costly changes when we wanted $A=B$, rather than $A=A$.
- Multinational & large corporate suppliers were expensive and inflexible.
- Aberdeen based Collabro had the Legare tool. Despite initial concerns over the size of the company to serve a company as large as TotalEnergies, their collaborative approach & understanding of our industry was a good fit.
- Tool rolled out in UK, Denmark & Kazakhstan and working successfully

POB Management

- No tools existed that could interface with our Flight Management system & Primavera.
- Collabro secured joint funding between Scottish Enterprise & TotalEnergies to develop as part of Legare.
- TotalEnergies were able to influence how the interface would fit with our working practices.
- Collaboratively rolled out to our industry competitors.

SOLUTION



Maintenance Management

- Legare configurations are simple & user configurable.
- Legare Scheduler allows for a fully automated hands-off operations, no disruption to Primavera users.
- We designed outputs from SAP that would only generate incremental changes in data since the previous run.
- Legare sends an email to users when run is complete, allowing Primavera users to F5 when ready.
- SAP data fully accessible in PASS or FAIL folders to aid any investigations or audits.
- Language is simple to configure data the way we want it displayed in Primavera (see examples).
- Est. Man-Hours saved annually = 300hrs / 40days.

POB Management

- Legare POB implemented. An on-demand service connected 'live' to our Flight Management system.
- Data transfers typically take 20sec versus 40mins of manual work.
- Allows planners to produce updated histograms via Primavera within minutes of a request.
- Est. Man-Hours saved annually = 700hrs / 93days.

INTERFACES



ADDITIONAL BENEFITS



Legare Formats

- Safely import 3rd party Primavera plans with the XER connector.
- Import data from Excel Spreadsheets.
- Import data from Microsoft Project.

Legare Functions

- Splits out multiple projects from an XER.
- Import Primavera Resource & Code dictionaries via Excel.
- Creates activity relationships (Workorder Headers & Operations)
- Options to combine, aggregate or max resources & durations.
- Deletion of Primavera activities based on a status.
- Look-Up Lists where you can change the value from source to Primavera.

LANGUAGE EXAMPLES

```
CASE WHEN CSV.SYSTEM_STATUS LIKE '% CNF%' THEN '0.0' WHEN CSV.SYSTEM_STATUS LIKE  
'%TECO%' THEN '0.0' WHEN CSV.USER_STATUS LIKE '%EXDO%' THEN '0.0' ELSE  
CSV.OPERATIONS_NUMBER_CAP END
```

This example is allowing us to say, if the Workorder being transferred from SAP to Primavera contains **CNF**, **TECO** or **EXDO** in the SYSTEM STATUS box, then return 0, otherwise go with what is in the NUMBER CAP box.

```
CASE WHEN CSV.USER_STATUS LIKE '%RCOM%' THEN 'GREEN' WHEN CSV.USER_STATUS LIKE  
'%RREQ%' THEN 'RED' END
```

In this example, if the USER STATUS of the Workorder contains **RCOM** then insert a GREEN  symbol in Primavera, or if it contains **RREQ** then insert a RED  symbol.

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