How KNIME Helps Finance at BGIS Work Smarter

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Welcome

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Agenda

> Why KNIME at BGIS Finance

KNIME Journey at BGIS Finance

Success Stories



Why KNIME at BGIS Finance THE PROBLEM

> Finance BIGGEST area for Improvement from past surveys was in Tools and Processes



Why KNIME at BGIS Finance POSSIBLE SOLUTIONS

The Ask → Improving Finance daily processes by leveraging technology

	SHORT LEAD TIME	COST	PAYBACK NOW	FLEXIBLE FOR MULTIPLE PROCESSES
In-House IT Solutions	*	*	*	*
Off-Shelf Software for Accounting Processes	*	*	*	*
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Why KNIME at BGIS Finance Why KNIME at BGIS Finance

- > Proof of Value \rightarrow Initial Champion and Expert
- Easy to deploy
- > Easy to learn for Finance Team Members Understandable, intuitive interface
- Auditability Solid Documentation features
- Centrally Managed Workflows
- Connectivity to Data Warehouse
- Broad Utilization possibilities Finance
- Solid Support Framework



KNIME Journey at BGIS Finance



Internal IT, External Experts, Knime

THREE SUCCESS STORIES

Success Stories **#1 - Percentage of Completion (POC) for Revenue Recognition**



35 hrs per month **420 hrs Annual Time Savings**



- Enhanced SOX control, CAS no longer required
- Version Control, Improved Auditability
- PDS Finance Analysis, Review, Issue
- Reporting to PDS Operations Automated/Self

20 hrs per month 243 hrs Annual Time Savings Benefits



Showing full presentation of the regular updates on Knime Projects to BGIS Finance Team < PROOF OF VALUE

Project Overview



Objective: Fully Automate CAS Labour Accrual Process, across 100+ Organizations.



Project Overview



Burden to FA'S	Involvement of Client Finance Teams to manage changes – Burden on their time.
Unsustainable	Macro Based Shared Excel File with Security Features – Heavy, Unstable, & Unsustainable
Administration	Manage changes in secured file due to turnover, or new scope – provide access, & data sheet
Risk of Errors	Dependence on manual updates by Client Finance Teams leads to errors or outdated data
Time Involved	Time Consuming – Takes 1 Day for CAS + 1.7 days for time spent by Client F.A.'s across 100+Orgs

Project Plan





KNIME Solution ⇒ 60+ Rules





20 hrs per month 243 hrs Annual Time Savings



- EFFICIENCY Involvement of 100+ Org Finance Teams Eliminated
- TIME SAVINGS : Total 2.7 Days/ Month (CAS saves 1 day & Client Accounts save 50*15min/60 = 1.7 days per Month)
- CHANGE MANAGEMENT : CAS no longer needs to spend Adm time on managing changes due to scope or role changes.
- SENSITIVE INFORMATION Accrual reported by Employee Number Vs. Employee Name
- AUDIT COMPLIANCE Reports available for Finance Leads, Auditors easier M/M Comparison & Analysis
- ERROR REDUCTION : In previous process, certain client groups did not have updated costs/ pay increase/turn over changes/Coding or correct working hours Now based on HRMS and EIE Labour Inquiry Extract
- SCALABILITY On stabilization, we can quickly include US Accounts & Other Groups can use the KNIME Workflow.
- STANDARDIZATION Most variation between accounts were eliminated.
- VALUE ADD TIME Client Finance FA's can spend time on more value- add activities.
- KNIME SERVER Easy to schedule, Independent Workflow

Flows on server: 50 active flows

Accounts supported on server: 13

Success Stories

Expanding KNIME outside of Finance - Project Delivery Services



- > KNIME flow archives the relevant PDS data daily to allow for historical data to be analyzed as needed
- KNIME flow to capture when PMWeb forecast periods change to ensure data is captured at the correct time for proper monthly reviews
- > KNIME flows made to combine and organize data to enable daily PowerBI reports out to team members
 - o daily project reports
 - o daily project assignment requirements
 - o forecasting status

> KNIME flows are used to read Snowflake data where available versus manually creating reports in Snowflake

Expanding KNIME outside of Finance - Project Delivery Services



"At the moment I'd say **KNIME server** is taking the workload of a person or two just in having the flows run automatically and send out reports or power the dashboards."

Client #1 - Team member would run a KNIME flow manually each morning and take 30 – 45 minutes to run and send out, moved flow to the **KNIME server** and it runs twice daily and sends notification automatically once completed ← **ELIMINATE MANUAL INTERVENTION**

Client #2 - Team member would manually download files, sort and join in excel, format and then email to a group of people. We now have the files go to a X drive folder every morning, KNIME reads the file, joins and formats and writes to a teams folder. The PowerBI report service reads the file and automatically emails to the required team member every morning. ← **ELIMINATE MANUAL INTERVENTION**

"In general KNIME and KNIME server specifically saves a lot of time for the PDS team and enables us to power dashboards for all PDS accounts, we've created it in such a way also that if a new account comes on board we can add that account into our existing flows within an hour and we are ready to standup the standard dashboard for the account." **CALABILITY**

