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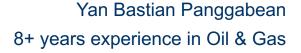
Present for SIS Global Forum 2019





Introduction: Presenters





Working for PERTAMINA EP Cepu, subsidiary of PERTAMINA Group

Specialty: Petroleum Economic, Project Management, Risk Management



Raden Irfan Fajar Purnomo 7+ years experience in Oil & Gas

Working for PERTAMINA EP Cepu, subsidiary of PERTAMINA Group

Specialty:

Chemical Engineering, Petroleum Economic, Project Management, Risk Management



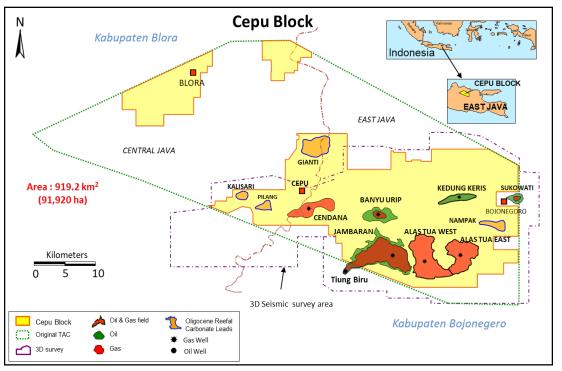
Agenda

- Project Background
- Problem Statement
- Solution
- Conclusion
- What Next?
- Q&A





Introduction: PT Pertamina EP Cepu



- Production: B Field
- Development: J Field, K Field
- Exploration: Others Field
- Current Production ±200MBOPD



Project Background (Motivation)

- PEPC need a robust Economic Calculation Tool
- PEPC need a comprehensive multiphase economics analysis



Provide Comprehensive Economics Analysis





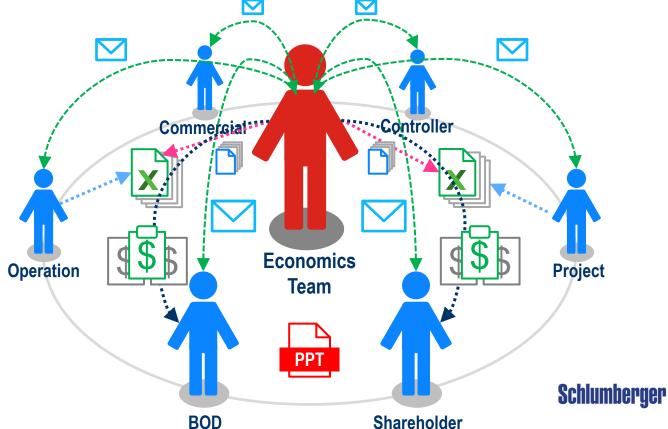






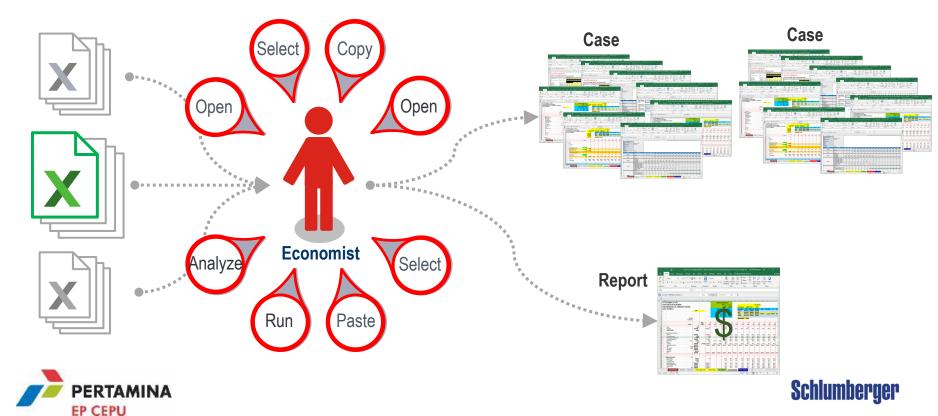
Project Background (Conventional Solution: Workflow)

Request Workflow





Project Background (Conventional Solution: Perform Economics)



Project Background (Conventional Solution: Stand Alone Economics)

The formula is complicated

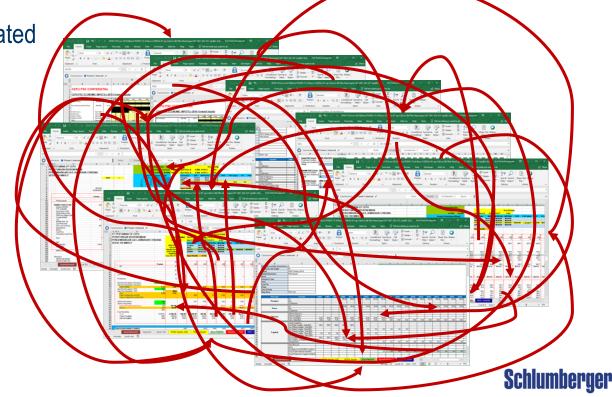
Hard to track formula

Takes time

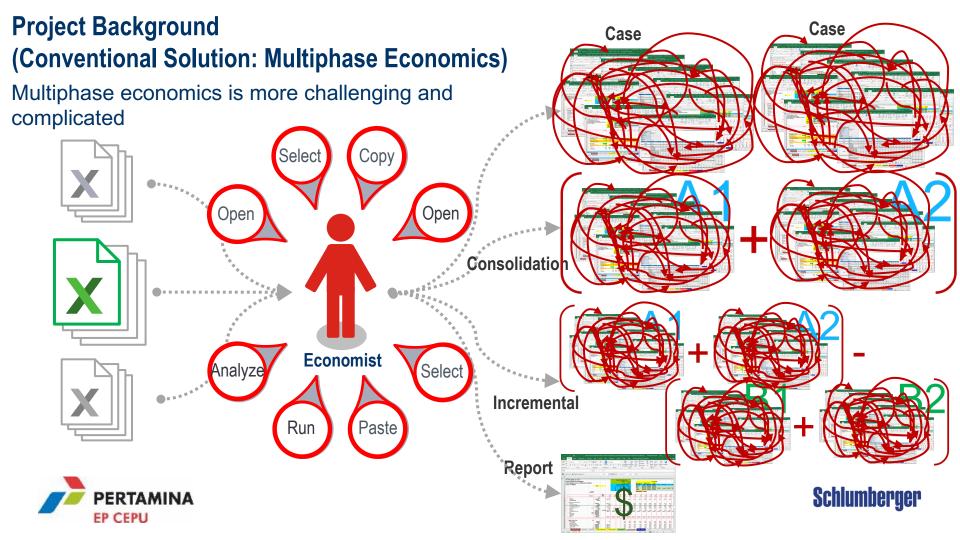
Hard to track changes

Run slow

- Consolidation?
- Incremental?

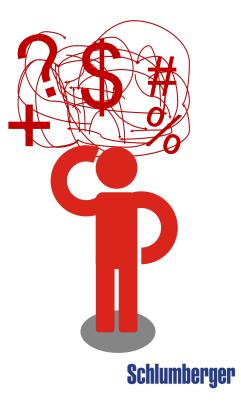






Problem Statement

- Perform multiphase economics using conventional solution:
 - Challenging and complicated
 - Takes time & effort (quantify?)
 - Unreliable result
- Data gathering (within internal teams) is a laborious task:
 - Prone to human error
 - Takes time & effort (quantify?)
 - Sudden data update is stressful





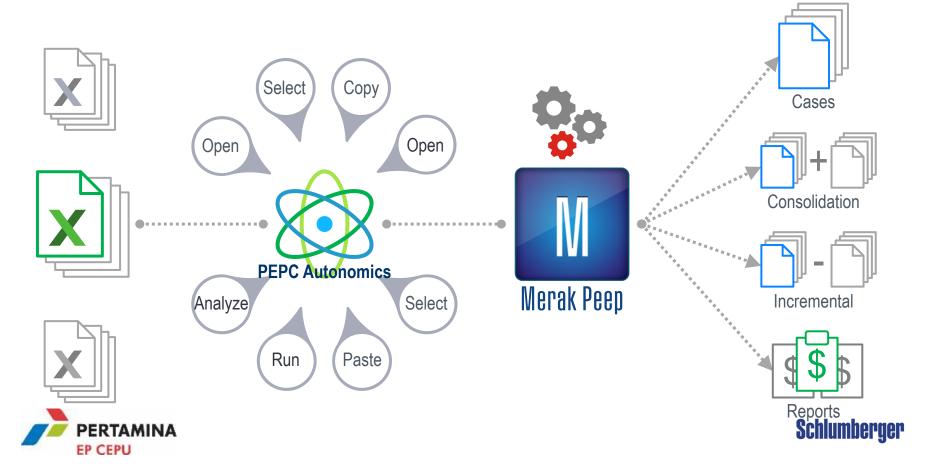
Solution

- PEPC need a standard economic model
- PEPC Need an economic calculation engine that:
 - Perform multiphase economics
 - Easy to use
 - Provide robust economic result
- Solutions that reduce unnecessary laborious task





Solution



Solution





Conclusion

- Merak Peep is one single source of truth for economic analysis
 - Now PEPC can perform multiphase economics analysis with confidence
- PEPC Autonomics is one single tools that handle unnecessary tasks:
 - Read data automatically
 - Run tasks automatically
 - Perform economic calculation automatically







What Next? (Next Challenges)

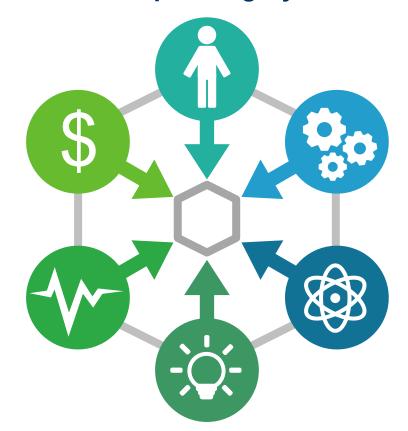
- Perform Economics online and can be accessed via mobile phone
- Dashboarding that provide comprehensive economics information that can be used by various department
- Portfolio Management
- Integrated working environment to help teams is needed: Peep and PEPC
 Autonomics only can help Economics team, not other teams



What Next? (IBOSS: Integrated Business Operating System & Support)

Integrated Environment:

- Team
- Data
- Knowledge







THANK YOU

