

Agenda

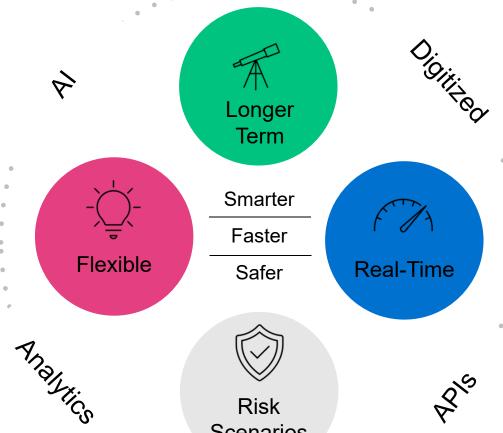
- 1 HOW HAS FORECASTING CHANGED
- 02 CASH FORECASTING VS. LIQUIDITY PLANNING
- 103 LIQUIDITY PLANNING DATA STRATEGY
- **04** WHY EVOLVE: KEY BENEFITS
- **05** SUMMARY: RE-THINK FORECASTING?



2 Copyright © 2023 Kyriba Corp. All rights reserved.

Forecasting Has Changed

Currency Volatility



Tightening Credit

Higher Cost of Cash

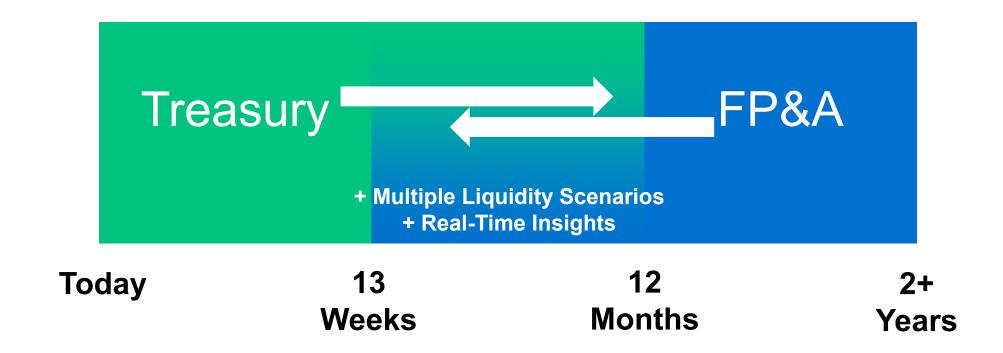
Scenarios

EBITDA and Free Cash Flow

In the Old Days...



Since 2020...



2023 Forecasting Drivers

kyriba

DRIVING YOUR DATA STRATEGY

- Unifying Data with APIs
- Harnessing Data with Al
- Analytics for Data-Driven
- •Decisions •
- • • •

REAL-TIME PERFORMANCE

- **On-Demand APIs**
- **Instant Payments**
- **Actionable Decisions**

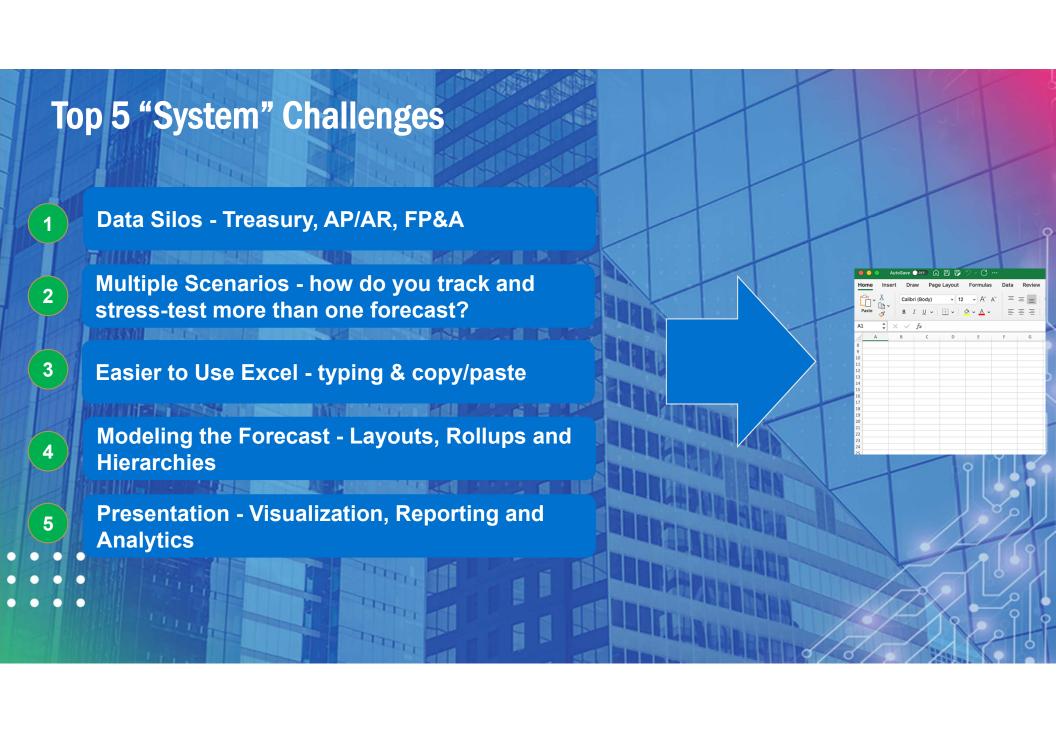


ENTERPRISE LIQUIDITY

Making Your Forecast Actionable
 Surrounding with Data to Optimize Investing, Borrowing, Hedging,
 Working Capital Decisions

"MINIMIŽING RISK

- ⁵ ⁷Reducing Yulnerability to Rising
- 3Rates and Currency Volatility
- ะใต้ที่กู้ เข้า เก็บ Controls and Fraud
 - Prevention



Evolving Beyond Visibility

CASH MANAGEMENT

Horizon: Today

How much cash do I have?



CASH FORECASTING

Horizon: Tomorrow and Beyond

How much cash will I have?



LIQUIDITY PLANNING

Horizon: Tomorrow and Beyond

What decisions do I need to make to meet cash flow targets

- 1. Surrounding Forecast with Data
- Current Debt and Borrowing Availability
- Money Market Investments
- Exposures and Hedging Projections
- Cash Conversion Cycle DPO, DSO

- 2. Required Capabilities
- Direct & Indirect Cash Flow Modeling
- Multiple, parallel forecasts
- What-If scenarios
- Real-Time/On-Demand Reporting

To Support Your Forecasting Data Strategy

APIs connect Banks, ERP, Apps and any System with your Kyriba Data

Al drives predictions, data enrichment and usability

Analytics turns data into insight and intelligence



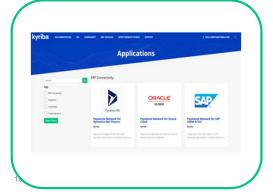
APIs: Connecting Data and Process

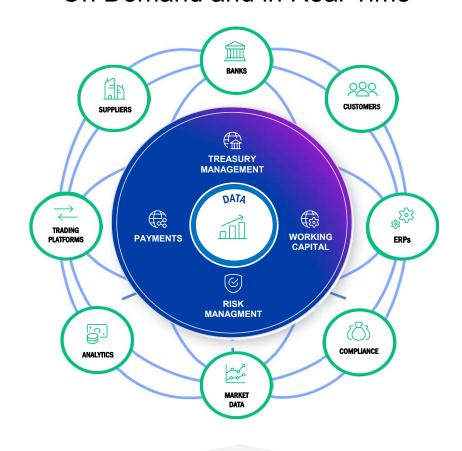
On Demand and in Real-Time

Enterprise Systems



External Apps and Data





Bank Connectivity



Internal Systems





PREDICT

Enhance amount and/or timing of existing forecast cash flows

GENERATE

Create new forecast data sets
(e.g. company acquisition)



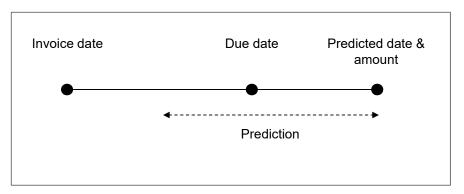


AUTOMATE

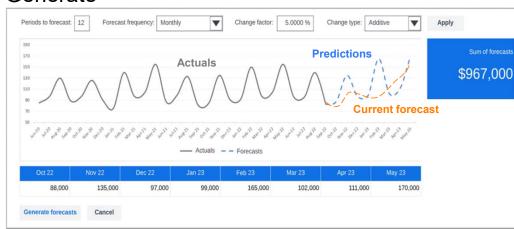
Presentation of data and insights. Al will replace your mouse.

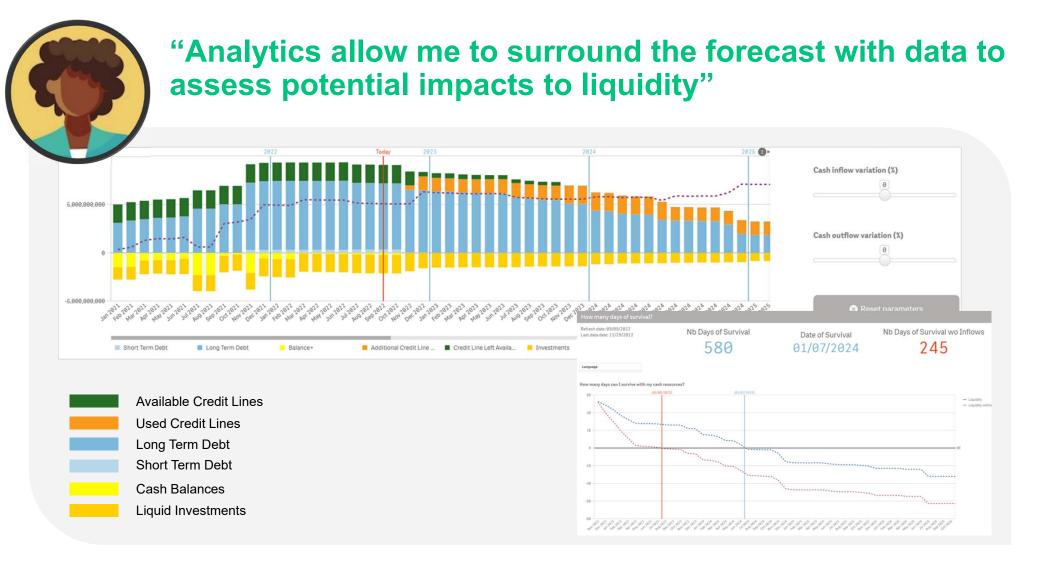
AI: New Opportunities

Predict



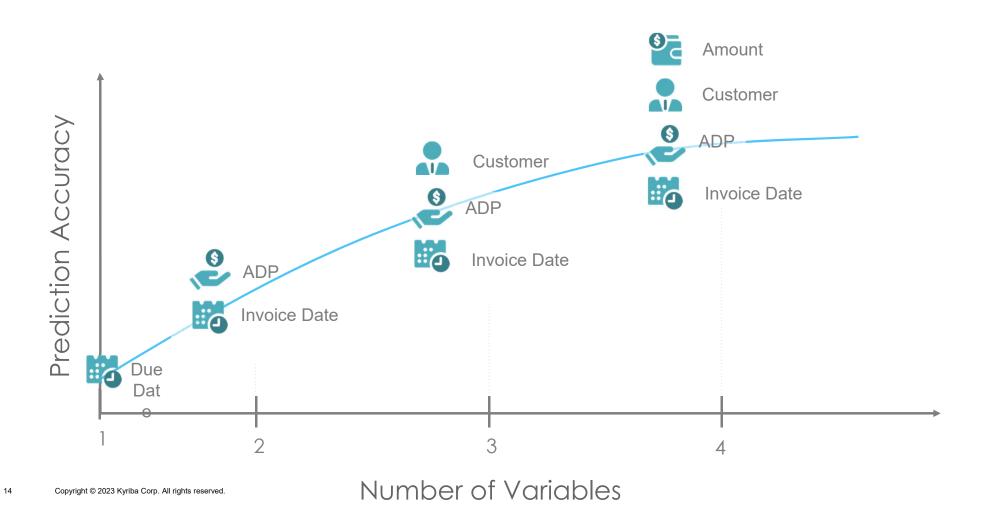
Generate



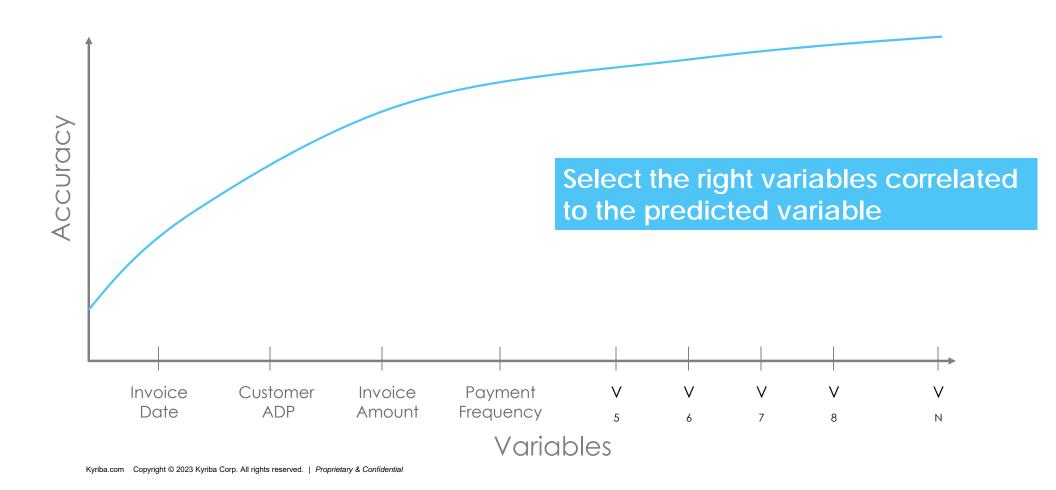


Al In Forecasting

Accuracy Levels on Forecasting



Al - Data and Variable Sizes



Variables in Modeling

Invoice Characteristics

- Payment Term
- Amount
- Discount Percentage
- Transaction Type

Customer Payment Pattern

- Day of Week
- Day of Month
- Week of Month
- Holiday Shifting Behavior

Customer Consistency

- Past Due Amount
- Dispute Rate
- Credit Utilization

Processing Observations

- Payment application delay
- Invoice Cancellations
- Credit Memo Creation Rate

Apply the Best Algo for the Situation

Master List

Invoice Date

Customer Specific ADP

Invoice Amount

Past Invoice Count

Total Open Amount

Gap between payments

Delayed payments percentage

Branch Level Delays

Closed invoice sum

Delayed invoice sum

Due Payment Day Of the Week

60+

Invoice and Customer Level Variables

Correlated Variables

Invoice Date

Customer Specific ADP

Invoice Amount

Past Invoice Count

Total Open Amount

Gap between payments

Delayed payments percentage

Branch Level Delays

30+

Correlated Variables

Pick the Algorithm

Linear Regression

Logistic Regression

Random Forest Classifier

Neural Networks

Decision Trees

Support Vector Machine

Gradient Boosted Trees

25+

Artificial Intelligence
Algorithms

Temporal Difference



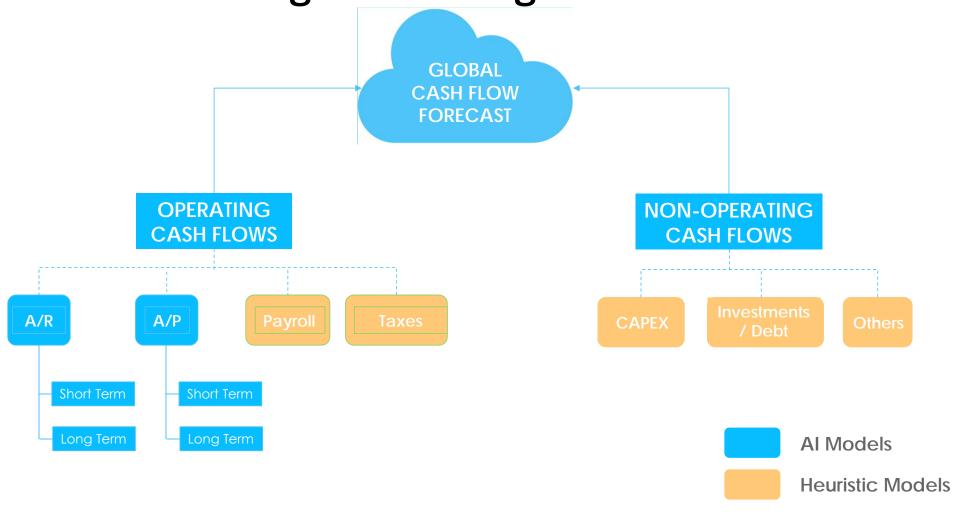
Predicted Payment Date

Forecasting Horizons

Forecast Horizon	Key sub-Forecasts	Modelling Technique
0 - 14 days	Open Invoice - Sub-Customer Level	Supervised Ensemble ML Models
15 - 28 days	 Open Invoice - Sub-Customer Level In-Period Invoice Creation and Clearance 	Ensemble modelling with Short Term Model Parameters
29 - 180 days	Historical Seasonality + Holiday effects + Recent Trends	Additive Models for Nonlinear Trends with Seasonalities

Forecast horizon and Data ----- > Modelling technique/ algorithm

Cash Forecasting for All Categories





Evolving Beyond Visibility

CASH MANAGEMENT

Horizon: Today

How much cash do I have?



CASH FORECASTING

Horizon: Tomorrow and Beyond

How much cash will I have?



LIQUIDITY PLANNING

Horizon: Tomorrow and Beyond

What decisions do I need to make to meet cash flow targets

- 1. Surrounding Forecast with Data
- Current Debt and Borrowing Availability
- Money Market Investments
- Exposures and Hedging Projections
- Cash Conversion Cycle DPO, DSO

- 2. Required Capabilities
- Direct & Indirect Cash Flow Modeling
- Multiple, parallel forecasts
- What-If scenarios
- Real-Time/On-Demand Reporting

Evolution to Liquidity Planning

- Make your forecast actionable by surrounding with data: APIs, AI, Analytics
- Quantify the impact of external exposures: FX, Commodities, Interest Rate...even Fraud
- 3) Unlock the Cash Conversion Cycle: Proactively Manage DPO and DSO to (more cost effectively) meet cash flow targets

kyriba



Beyond Visibility







Unlock Internal Cash

Key Outcomes

Visibility	100% of enterprise cash, liquidity, financial exposures	
"Create Cash"	Reduce idle cash, improved cash pooling/IHB, optimize cash conversion cycle	
Resilience	Predict impact of market volatility and internal/external scenarios on cash flow and financing decisions	
Efficiency	More effective investing / efficient borrowing	
Productivity	Technology does not eliminate jobs but gives people better ones!	

