

Infor Cloud Suite Reporting, BI, EPM and Data Management



# Infor Cloud Suite Reporting, BI, EPM and Data Management

M3 reporting, Cloud Suite Analytics, Birst,  
EPM and 3rd party tools - when should I  
use what?

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# AGENDA

1. Introduction
2. M3 Reporting options
3. M3 Analytics (Birst)
4. EPM
5. What tool for what purposes?
6. MT cloud Architecture
7. Other



# 01

## Introduction

# Infor CloudSuites are more than ERP in the Cloud



## **Infor CloudSuite Edge**

Get to the next level with best-of-breed applications for supply chain optimization, product lifecycle management, asset management, workforce management, customer experience and financial consolidation & planning

## **Infor CloudSuite Industry Analytics**

Interwoven analytics and BI instances that share a common data-as-a-service fabric to give complete business visibility

## **Infor CloudSuite ERP core**

Industry specific ERP designed to deliver a consumer-grade user experience and quickly get customers up and productive

## **Infor OS digital platform**

Connects services to provide a robust integration framework and serve as the foundation of an entire business ecosystem

## **True multi-tenant cloud infrastructure**

Infor has partnered with AWS for over six years to optimize applications for their market leading, cloud architecture

# Introduction

- Organizations consider their data to be an strategic key asset
- Data helps to provide a competitive edge
- A data & reporting strategy should be open to various options for information and data access
- Business Intelligence is not the only tool for information needs & decision support
- Not understanding the options to deliver information can become restrictive and costly (re-invent the wheel)
- There are many different ways to access information & data from M3 CloudSuite

# Introduction

- **Real-Time or Near Real-Time - I need to know as soon as possible!**
  - What just happened?
  - What is the current status of my order?
  - Is the product currently in stock?

*You do not need to analyse many months worth of data for these types of enquires.*

- **Analytics – What happened over time**
  - Who are my top performing customers year-to-date?
  - What's my sales order value this period versus same period last year?
  - How many orders are still open for this year?

*You do not need real-time data “what just happened” analysis for these types of enquires.*

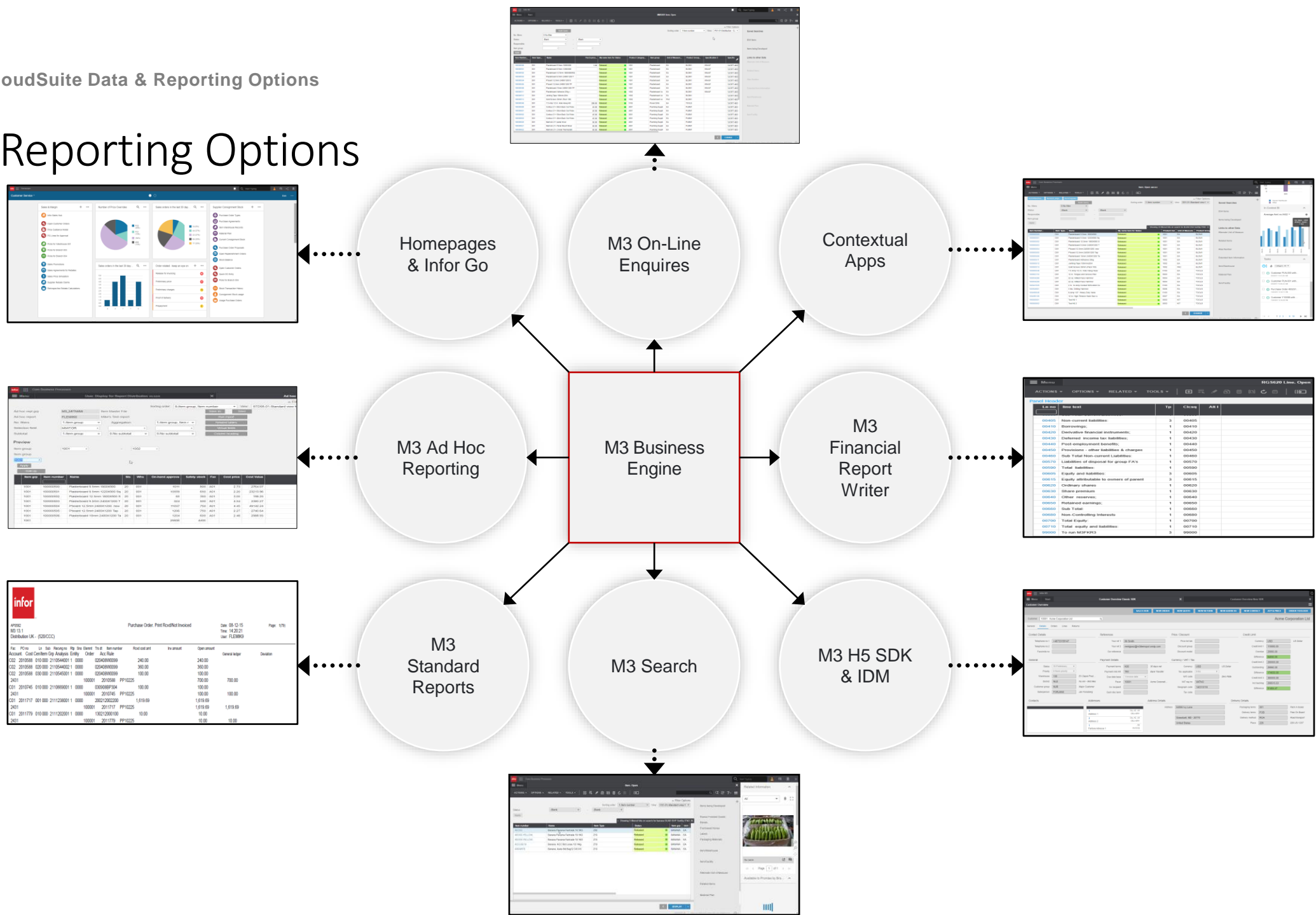


# 02

## M3 Reporting options

- M3 CloudSuite Data & Reporting Options

# M3 Reporting Options



# 03

## M3 Analytics

# What is M3 Analytics?



**Infor CloudSuite Chemicals**



**Infor CloudSuite Distribution Enterprise**



**Infor CloudSuite Equipment**



**Infor CloudSuite Fashion**



**Infor CloudSuite Food & Beverage**



**Infor M3 CloudSuite**

***Purpose Built  
For  
M3 Industry CloudSuites***

# What is M3 Analytics?



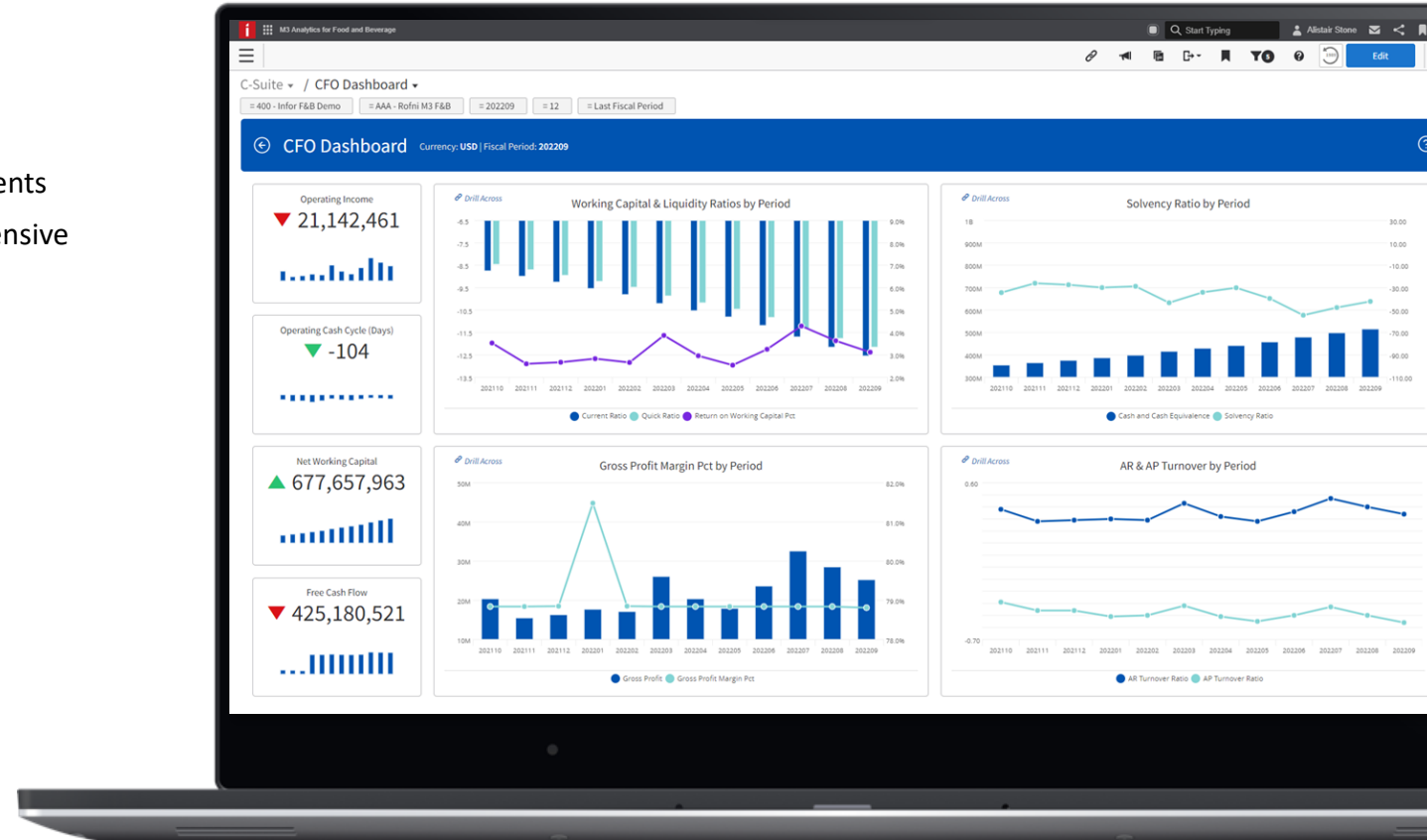
## Dashboards & Reports

- Comprehensive collection of over 50 dashboards
- Wide range of over 300 reports available
- Option to use as is or customize to meet specific business requirements
- Ability to create custom dashboards and reports using Birst and extensive data model



## Expectations

- Hands-on examples provided
- Built on robust data models
- Intuitive interface for building custom dashboards and reports



# What is M3 Analytics?



## Measures & Attributes

- Extensive library of over 1,000 measures and attributes
- Wide range of analysis options across multiple domains
- Built on established industry best practices
- Currency conversion capabilities
- Multiple date and period options



## Expectations

- Ability to modify or enhance the solution to meet specific business needs
- Tailoring through commissioning necessary to fully realize solution's potential
- Customer may calculate metrics differently, the foundation already provided with the tooling needed to modify



# What is M3 Analytics?



## Data Models

- Comprehensive coverage of 7 essential business domains
- 25 robust models
- Built on established industry best practices
- Currency conversion capabilities
- Multiple date and period options



## Expectations

- Ability to modify or enhance the solution to meet specific business needs
- Tailoring through commissioning necessary to fully realize solution's potential
- Customer may calculate metrics differently, the foundation already provided with the tooling needed to modify



Finance

- ✓ Finance Key Ratio
- ✓ General Ledger
- ✓ Stock Valuation
- ✓ AP Operational Metrics
- ✓ AR Balances
- ✓ AR Invoices



Sales

- ✓ Sales Orders
- ✓ Sales Analysis
- ✓ Sales Budget
- ✓ Delivery Performance



Opportunity Management

- ✓ Opportunity Management



Procurement

- ✓ Purchase Orders
- ✓ Purchase Analysis



Production

- ✓ Operation Analysis
- ✓ Overall Equipment Effectiveness
- ✓ Order Costing
- ✓ Work Center Utilization



Warehouse

- ✓ Stock Balance
- ✓ Stock Statistics
- ✓ Stock Transactions



Equipment & Rental

- ✓ Warranty Claims
- ✓ Labor Resource
- ✓ Technician Performance
- ✓ Rental Utilization
- ✓ Rental Metrics

# What is M3 Analytics?



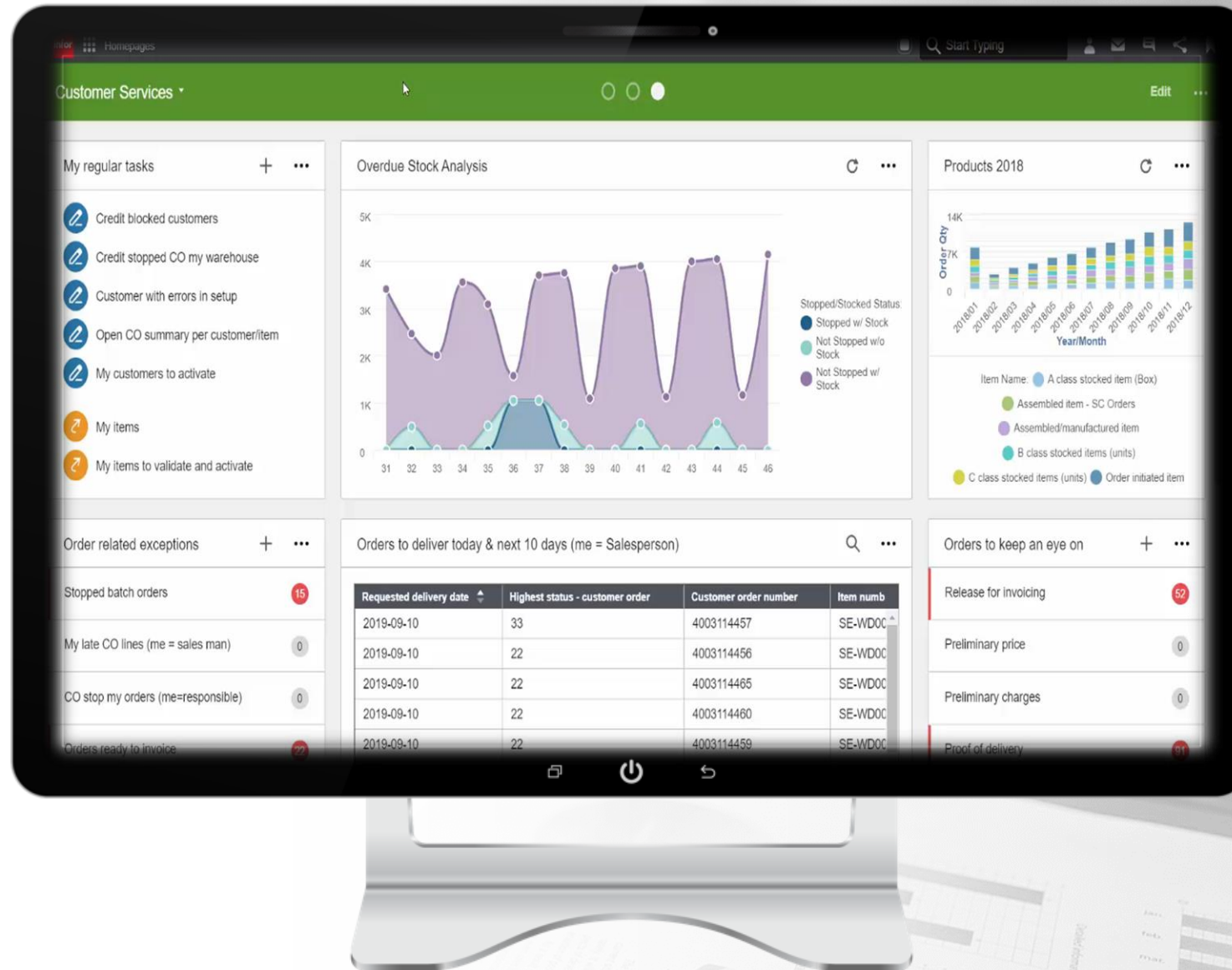
## Expectations Summary

- M3 Analytics is designed to deliver value quickly but requires commissioning to fully realize its potential
- Absence of data in M3 means missing information in reports
- Dashboards serve as examples but may require customization to meet specific needs
- Built on robust data models, allowing for modification and extension
- Flexibility to add, change, or remove content as required



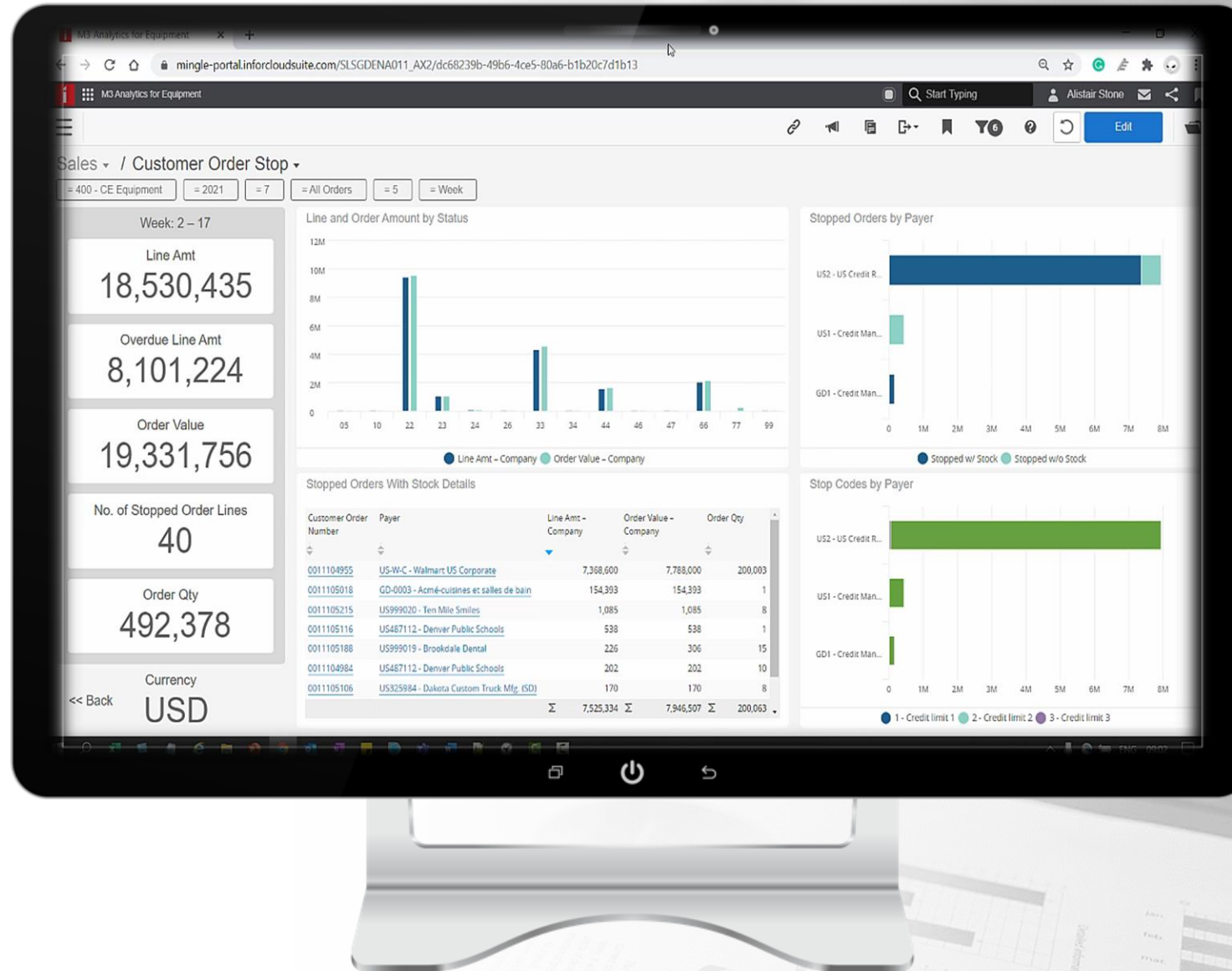
# Differentiation

- M3 Analytics content seamlessly **integrated into an Infor OS homepage**
- Tailored to align with specific business/user roles
- Combines with other critical organizational data to enhance decision-making support
- Boosts overall adoption of analytics across the organization



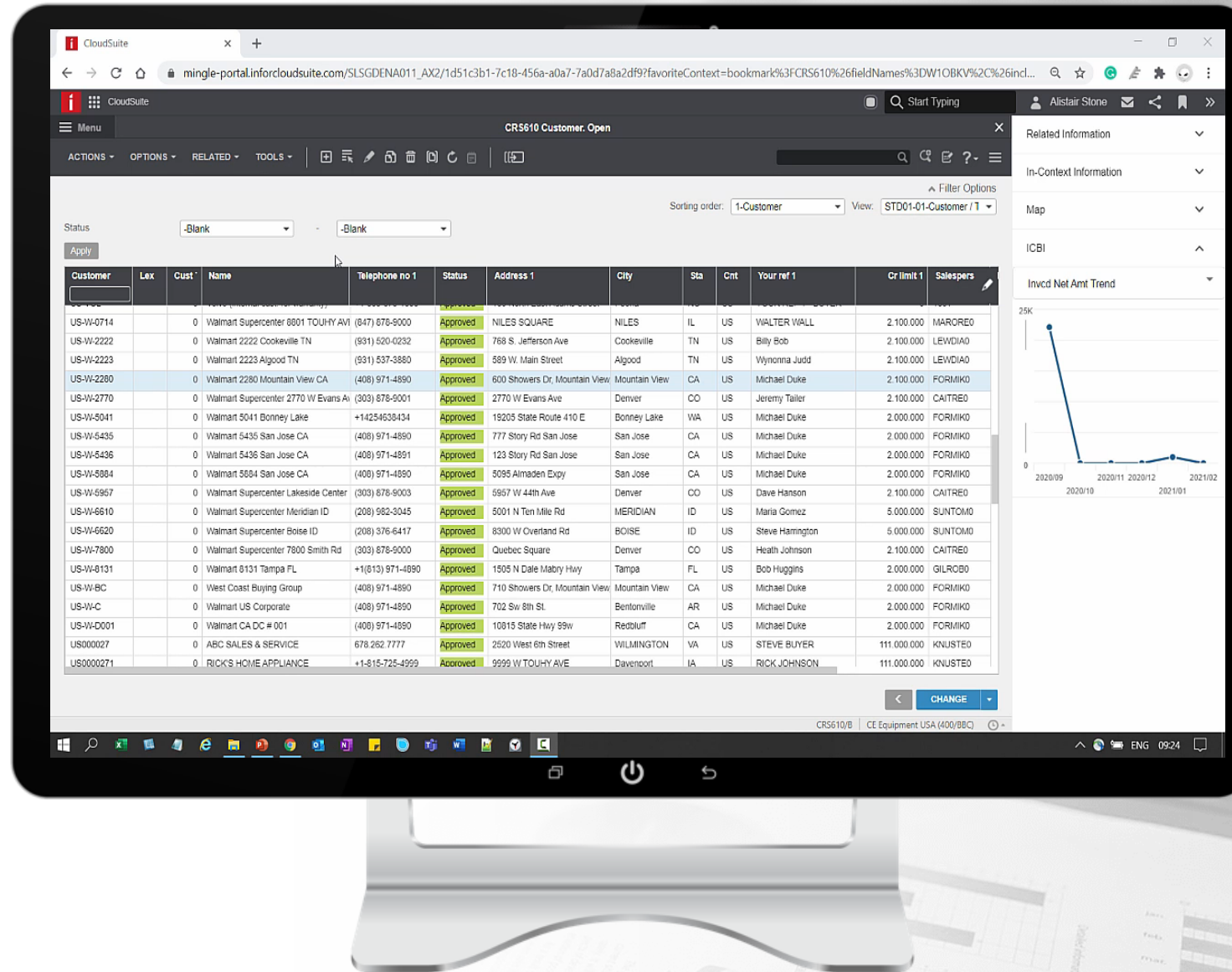
# Differentiation

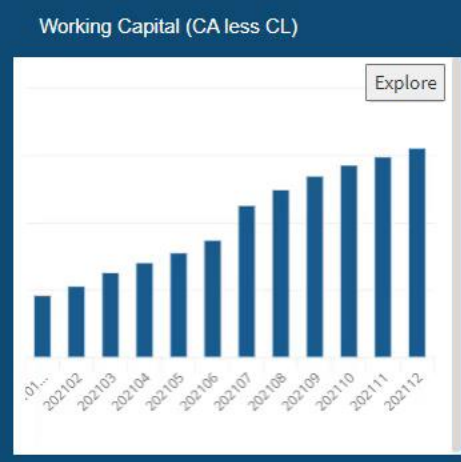
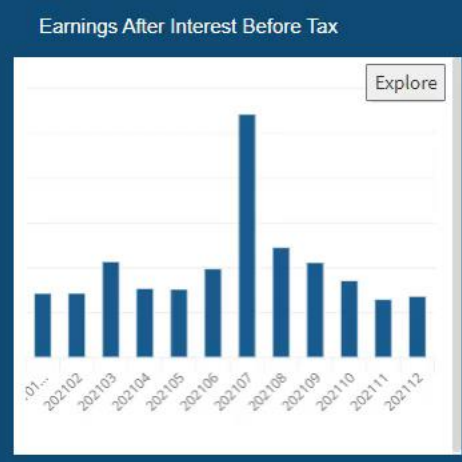
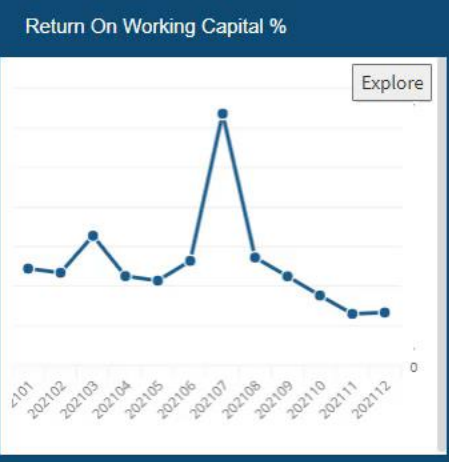
- Seamless integration of M3 Analytics with **drill capabilities**
- Enables users to quickly gain insights through Birst and take prompt action within M3



# Differentiation

- Seamless integration of M3 Analytics, **contextual within M3**
- Facilitates efficient and effortless contextual analysis
- Delivers embedded decision support within processes or screens





#### Analytics Powered By Birst + ...

- CFO Dashboard
- Income Statement
- Balance Sheet
- Bank & Cash Balance Trend

#### Cash Management + ...

- Bank Accounts
- Bank Statement Reconciliation
- Automated Bank Statement Processing
- Cash Flow Plan

#### General Ledger + ...

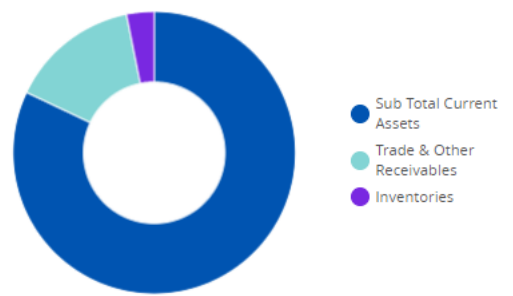
- G/L Balances
- Display G/L Transactions
- Journal Entries
- Recurring JE's
- FIM Interface
- Periodic Entries
- Allocations

#### Reporting + ...

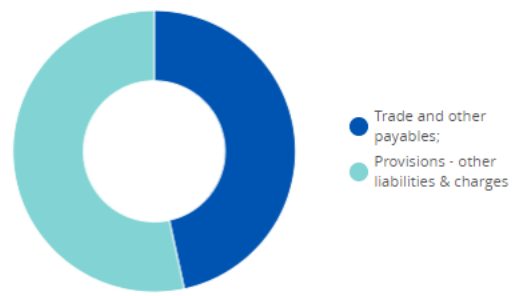
- Financial Report Writer
- User Display
- Statement of Income
- Balance Lists
- Adhoc Reporting
- Report Manager
- Analytics - Birst

# Balance Sheet Currency: USD | Fiscal Period: 202209

## Overview of Current Assets



## Overview of Current Liabilities



		202110	202111	202112	202201	202202	202203	202204	202205	202206	202207	202208	202209
110 - Cash & Cash Equivalents (excludin...	11100 Cash - General	7,152,282	7,334,784	7,526,891	7,728,603	7,930,316	8,237,687	8,477,820	8,689,138	8,967,693	9,351,907	9,688,094	9,976,134
110 - Sub Total Current Assets	11110 Bankkonto USD	346,291,845	356,498,183	367,209,592	378,456,571	389,703,550	406,787,804	420,177,066	432,278,299	447,809,841	469,232,659	487,977,625	504,580,308
	11120 Bankkonto EUR	339,973	339,973	339,973	339,973	339,973	339,973	339,973	339,973	339,973	339,973	339,973	339,973
	Cash & Cash Equivalents (excluding O/D)	353,784,100	364,172,940	375,076,456	386,525,147	397,973,839	415,365,464	428,994,859	441,307,410	457,117,507	478,924,539	498,005,692	514,896,416
120 - Trade & Other Receivables	12100 Forderungen L-L	531,128	500,551	510,500	510,500	518,888	519,599	519,599	204,569	204,569	204,569	204,569	204,569
	12101 Accounts Rcvbl	50,670,336	51,876,794	53,146,750	54,480,203	55,813,657	57,845,586	59,433,031	60,829,983	62,671,419	65,211,330	67,433,753	69,402,185
	12120 Factoring, nich	2,616	2,616	2,616	2,616	2,616	2,616	2,616	2,616	2,616	2,616	2,616	2,616
	12150 Gellef.n.fakt.	11,599,505	11,926,537	12,270,782	12,632,239	12,993,697	13,544,488	13,974,795	14,353,464	14,852,619	15,541,109	16,143,538	16,677,117
	12300 Forderungen IC	48,138	48,138	48,138	48,138	48,138	48,138	48,138	48,661	48,661	48,661	48,661	48,661
	12301 Inter-Co Rcvbl	500	500	500	500	500	500	500	500	500	500	500	500
	12310 Inter-Co Debt	4,810,039	4,922,110	5,040,080	5,163,949	5,287,817	5,476,569	5,624,032	5,753,246	5,924,303	6,160,243	6,366,690	6,549,544
	14100 Vorauszahlung M	-1,500	-1,500	-1,500	-1,500	-1,500	-1,500	-1,500	-1,500	-1,500	-1,500	-1,500	-1,500
	14200 Miete Vorauszah	58,000	58,000	58,000	58,000	58,000	58,000	58,000	58,000	58,000	58,000	58,000	58,000
	Trade & Other Receivables	67,718,761	69,333,746	71,075,866	72,894,645	74,721,813	77,493,997	79,659,210	81,249,539	83,761,186	87,225,528	90,256,827	92,941,692
130 - Inventories	13100 Bestand RHB	582,638	586,950	591,489	1,166,492	1,175,962	1,158,390	1,164,064	1,169,056	1,175,637	1,184,715	1,192,657	1,199,692
	13200 WIA Material	5,059,624	5,185,928	5,318,880	5,459,321	5,598,920	5,811,725	5,977,915	6,124,162	6,316,942	6,582,845	6,815,510	7,021,585
	13300 WIA - Fertigung	7,356,201	7,544,274	7,742,245	7,951,360	8,159,230	8,476,077	8,723,541	8,941,309	9,228,367	9,624,310	9,970,759	10,277,614
	13400 Bestand Fertigw	1,374,959	1,367,713	1,360,086	1,354,027	1,346,019	1,359,892	1,350,358	1,341,968	1,330,909	1,315,655	1,302,307	1,290,485
	13800 Return not insp	-924	-924	-924	-924	-924	-924	-924	-924	-924	-924	-924	-924
	13990 Goods transfer	0	0	0	0	0	0	0	0	0	0	0	0
	Inventories	14,372,499	14,683,942	15,011,776	15,930,276	16,279,207	16,805,160	17,214,953	17,575,571	18,050,931	18,706,600	19,280,310	19,788,453
170 - Current Assets (Total)	Current Assets (Total)	435,875,361	448,190,628	461,164,098	475,350,068	488,974,859	509,664,621	525,869,022	540,132,520	558,929,625	584,856,667	607,542,829	627,626,560
210 - Sub Total Current Assets	Sub Total Current Assets	435,875,361	448,190,628	461,164,098	475,350,068	488,974,859	509,664,621	525,869,022	540,132,520	558,929,625	584,856,667	607,542,829	627,626,560
240 - Property, Plant & Equipment	15100 Maschinen & Zub	-500	-500	-500	-500	-500	-500	-500	-500	-500	-500	-500	-500
	15101 Machine & Equip	32,779,953	32,861,717	32,947,783	33,038,153	33,128,523	33,266,230	33,373,813	33,468,487	33,593,283	33,765,417	33,916,033	34,049,437
	15150 Accum Depr M&E	-10,773,367	-10,936,347	-11,107,906	-11,288,043	-11,468,179	-11,742,673	-11,957,121	-12,145,836	-12,394,596	-12,737,713	-13,037,940	-13,303,856
	15200 Computers	-6,490	-6,490	-6,490	-6,490	-6,490	-6,490	-6,490	-6,490	-6,490	-6,490	-6,490	-6,490
	15300 Investments Fix	25,766,667	26,083,333	26,416,667	26,766,667	27,116,667	27,650,000	28,066,667	28,433,333	28,916,667	29,583,333	30,166,667	30,683,333
	15700 Gebäude	36,341,281	36,333,681	36,325,681	36,317,281	36,308,881	36,296,081	36,286,081	36,277,281	36,265,681	36,249,681	36,235,681	36,223,281
	15900 FA under constr	26,620,709	27,038,594	27,478,474	27,940,347	28,402,220	29,106,026	29,655,875	30,139,742	30,777,567	31,657,325	32,427,114	33,108,927
	Property, Plant & Equipment	110,728,253	111,373,987	112,053,708	112,767,414	113,481,121	114,568,674	115,418,325	116,166,017	117,151,612	118,511,053	119,700,564	120,754,131
300 - Long Term Assets	15100 Maschinen & Zub	-500	-500	-500	-500	-500	-500	-500	-500	-500	-500	-500	-500
	15101 Machine & Equip	32,779,953	32,861,717	32,947,783	33,038,153	33,128,523	33,266,230	33,373,813	33,468,487	33,593,283	33,765,417	33,916,033	34,049,437
	15150 Accum Depr M&E	-10,773,367	-10,936,347	-11,107,906	-11,288,043	-11,468,179	-11,742,673	-11,957,121	-12,145,836	-12,394,596	-12,737,713	-13,037,940	-13,303,856

- M3 Analytics: v.2022.12 RT Opportunity Management - What's New

# Sales Representative Overview

With the **Sales Representative** dashboard, you can view the opportunity and activity metrics assigned to each sales representative

Help the sales representative monitor, plan, and manage actions to accomplish the assigned activities



How is the performance of the team members?



What are the overdue activities or opportunities?



What are the opportunities and activities performed?



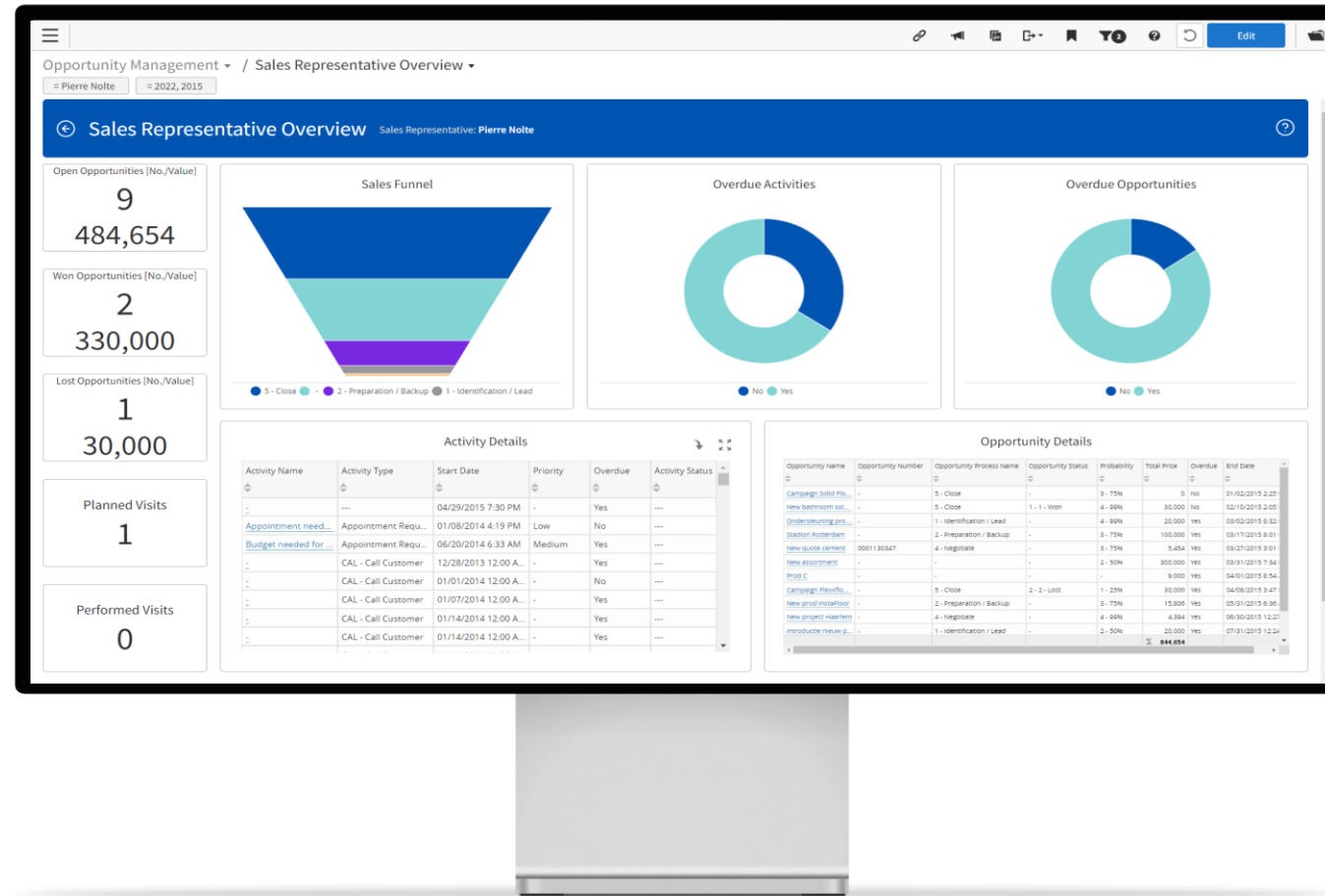
How many visits were planned and performed?



What is the value of the opportunity?



How many lost opportunities are there?





= 2015    = Global Sales

# ← Sales Teams Operations Sales Team: Global Sales ?

No. of Created Accounts

## 158

Open Opportunities [No./Value]

## 105

### 83,307,956

Won Opportunities [No./Value]

## 6

### 440,000

Lost Opportunities [No./Value]

## 5

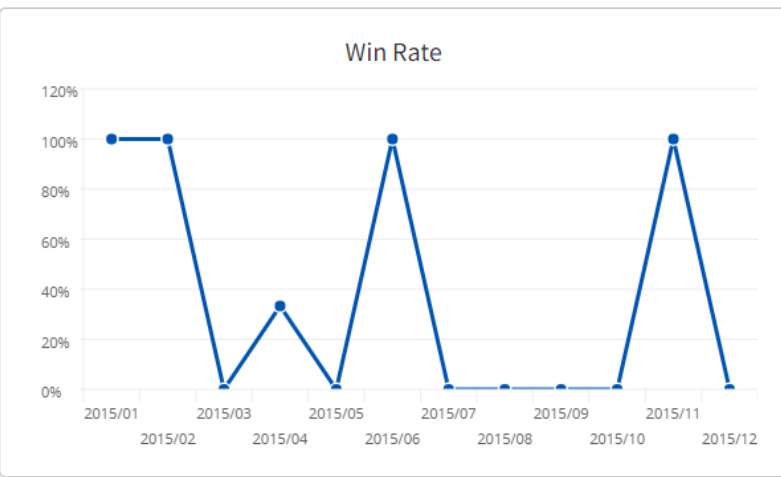
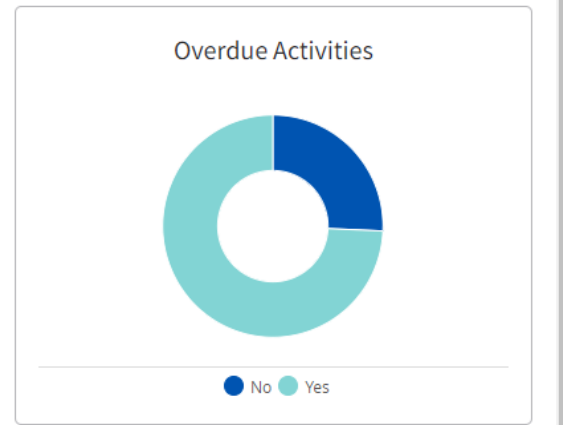
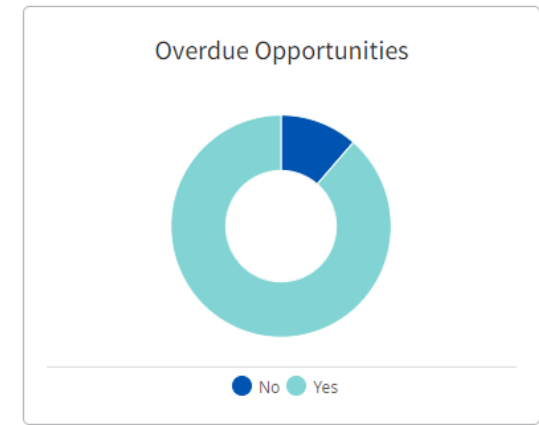
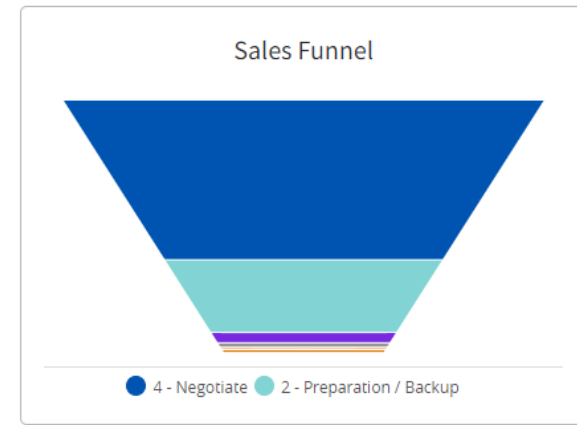
### 5,835,094

Planned Visits

## 13

Performed Visits

## 14



### Opportunity Overview

Sales Rep. Name	No. of Open Oppor...	Open Opportunite...	No. of Won Oppor...	Won Opportunitie...	No. of Lost Oppor...
Helena Vinge	3	134,486	0	0	0
Jan Forsberg	5	23,805,094	1	100,000	0
Sara Swardh	23	2,029,189	0	0	0
Mike Fletcher	1	0	0	0	0
Xavler Quinault	10	170,200	0	0	0
Claudia Mostersteg	4	11,805	0	0	0
Adam Lowe	2	10,000	0	0	0
Emma Karlsson	10	3,064,599	2	10,000	0
<b>Total</b>	<b>105</b>	<b>83,307,956</b>	<b>6</b>	<b>440,000</b>	<b>0</b>

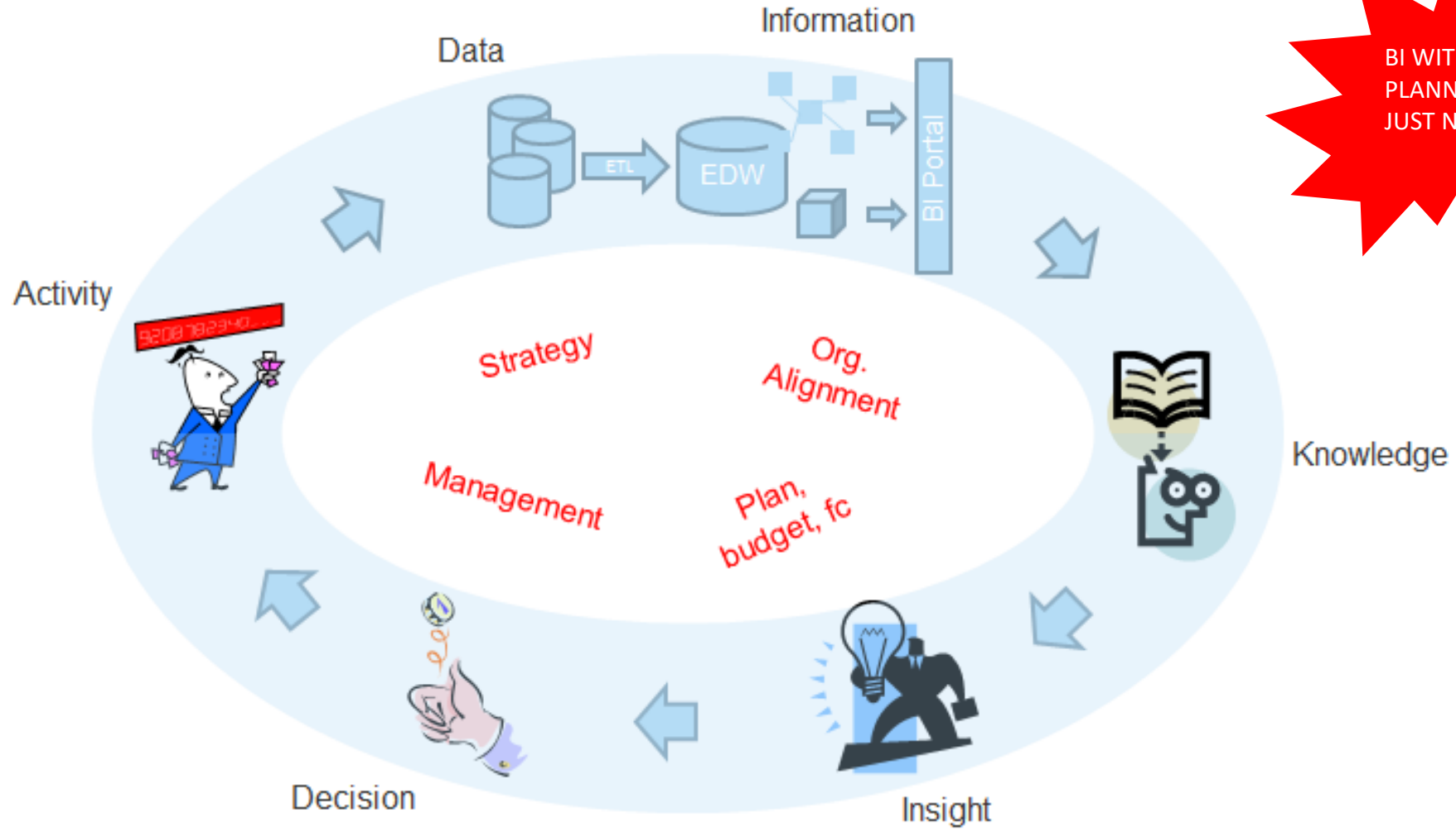
### Activity Overview

Sales Rep. Name	Planned Visits	Performed Visits	No. of Open Activi...	No. of Closed Activi...
Jan Forsberg	0	3	0	68
Mike Fletcher	0	0	8	0
Sara Swardh	1	0	130	8
Helena Vinge	0	0	17	0
Hendrik Assink	0	0	2	0
Peter Dvorak	0	0	3	0
Kirk Leeson	0	0	2	0
<b>Total</b>	<b>13</b>	<b>14</b>	<b>654</b>	<b>216</b>

# 04 EPM



# BI and Analytics



BI WITHOUT  
PLANNING IS  
JUST NOISE!!!

# EPM process & scope



Visions & business ideas



Business decision drivers

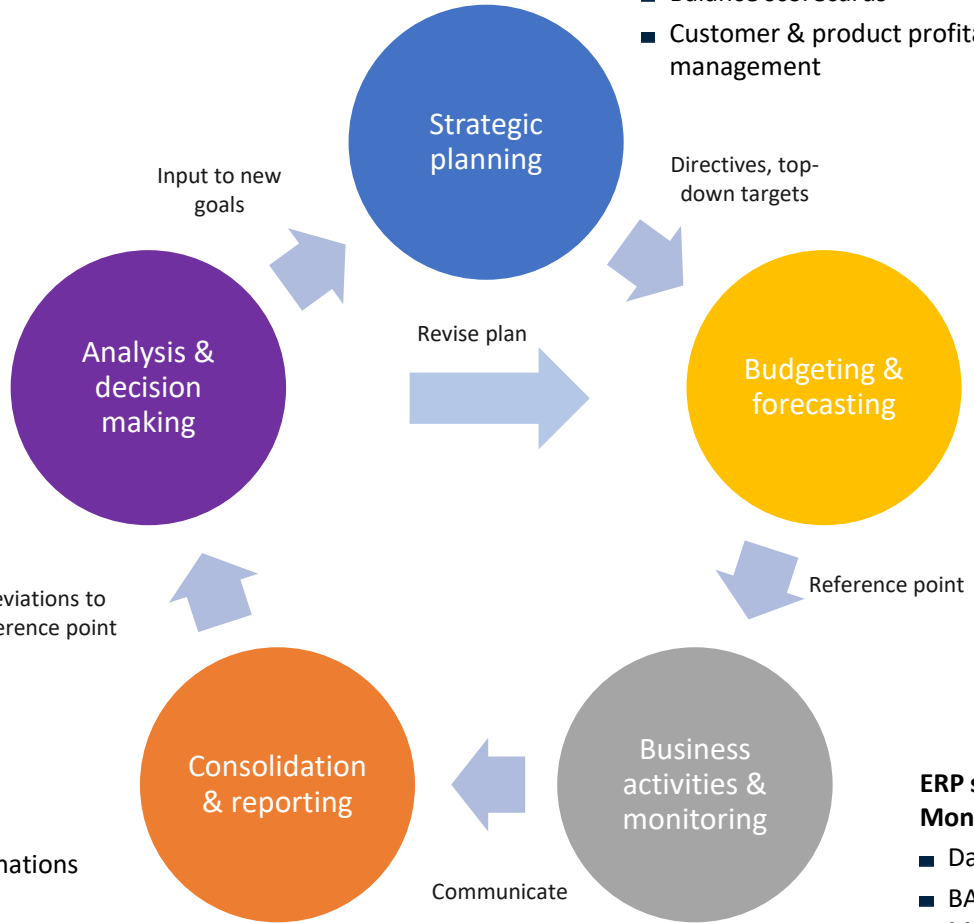
Constant change and disruption. Why? Possibilities?

**Analysis:**

- Dashboards
- Analysis: Root cause, trend, benchmark
- Ad-Hoc Reporting

**Strategic Planning:**

- What-if scenario planning
- KPI definitions
- Balance scorecards
- Customer & product profitability management



**Budgeting & Forecasting:**

- Driver based planning
- Rolling Forecasting
- Top down & bottom up planning
- Risk based planning
- **Integrated operational and financial planning**
- Integrated Planning & Reporting

**Consolidation & Reporting:**

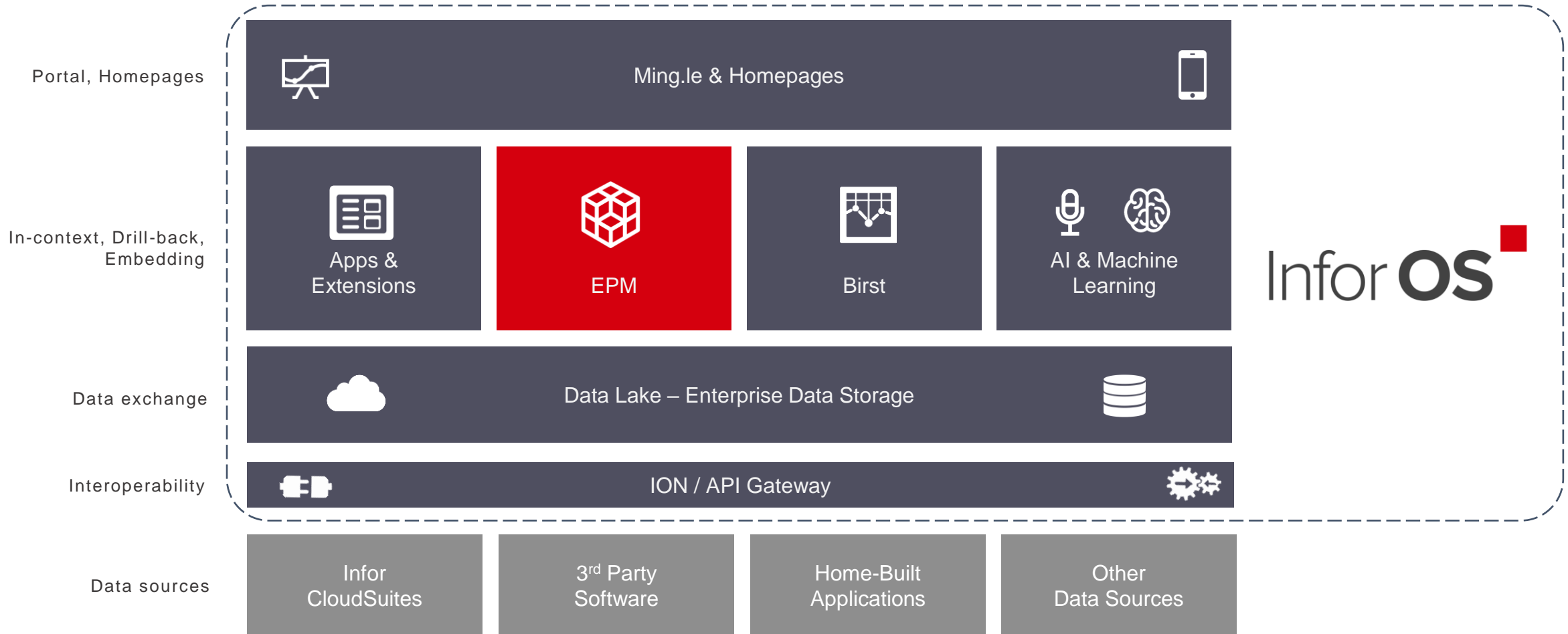
- Group consolidation
- Intra/intercompany eliminations
- IFRS Reporting
- Local GAAP Reporting
- Disclosure Management
- Compliance: Solvency, Basel

**ERP systems & Monitoring:**

- Dashboards
- BAM (Business Activity Monitoring)
- M3, LN, S3 Analytics

Building a great cloud data platform

# Infor OS, the integration hub



# Combining Business Processes with Modern Technology



## Budgeting, Planning & Financial Consolidation

Applications



Budgeting & Planning



Financial Consolidation



Workforce Budgeting



Custom

Accelerators

CapEx

Process Cockpit

Financial Core

Cash Flow

...

HR Planning

Driver based Planning

S&OP

Healthcare\*

Hospitality\*

Platform



Performance Management Platform

## Top EPM use cases



### Financial planning, budgeting and forecasting

Create budgets and plans, forecasts, operational and strategic plans



### Workforce planning and budgeting

Create position / employee-based budgets and plan employee count



### Sales planning

Sales plans with analysis of existing trends and team collaboration



### Capital expenses planning

Capital project management with documentation packages, overview of statuses and approvals



### Financial consolidation

Complex ownership structures, multiple currencies & inter-company transactions



### Financial reporting

Formatted standard reporting and flexible self-service reporting



### Sales & Operational planning

Fill the gap between operational planning and yearly/strategic planning



### Supply demand planning

Use the power of AI and machine learning to plan supply and demand



### Projects forecasting

Build various scenarios of project forecasts and analyze the execution



### Risk management

Project, campaigns or business risks management with the reaction plan, actions workflow and analysis of different versions and scenarios



### Strategy Management

Build you company strategy with connecting strategy with activities, measures and metrics



### ERP Extensions

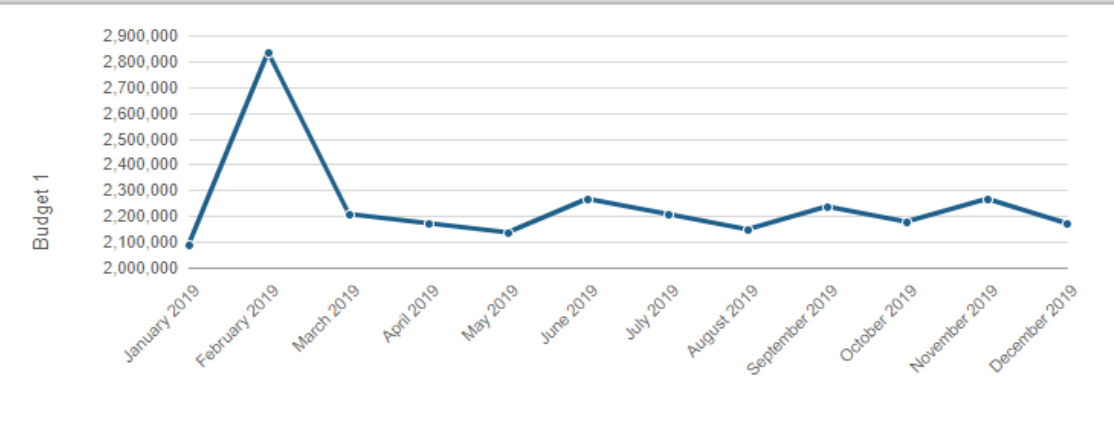
Add more features to core solution for financial reporting and performance management tasks

### Financial Management + ...

- General Ledger
- Bank Reconciliation
- Budgets & Forecasting
- Fixed Assets
- Inter Company Settlements
- Allocation
- Financial Agreement - Leasing
- Tax Authorities
- Product Cost

### Budget PL By Month ...

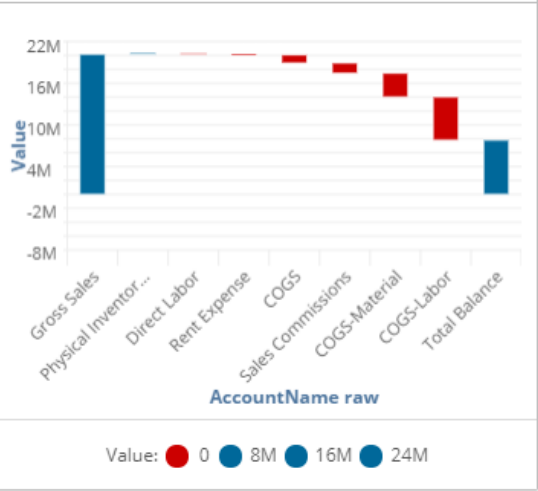
Accounts: Profit (Loss) before Taxes, Segment 2: All Segments 2, Organizations: All Org...



### My Shortcuts + ...

- Financial Consolidation
- Self Service
- Budget & Planning
- Sample Dashboards

### Birst Waterfall Chart ...

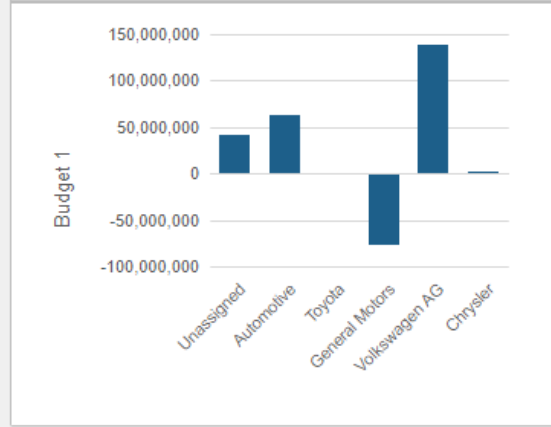


### Ad-Hoc Analysis ...

- #### Chart Widgets
- Explore Your Data
  - Favorites
  - Bar Charts
  - Column Charts
  - Compare Against a Target

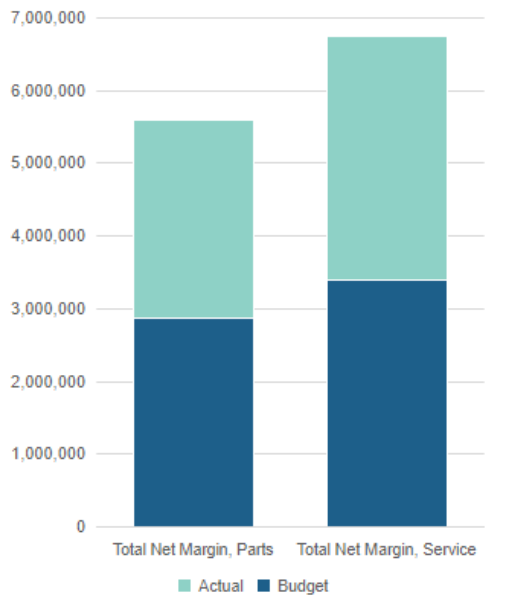
### Genesis Cars PL by Brand ...

Entities: Genesis Cars, Calendar: 2...



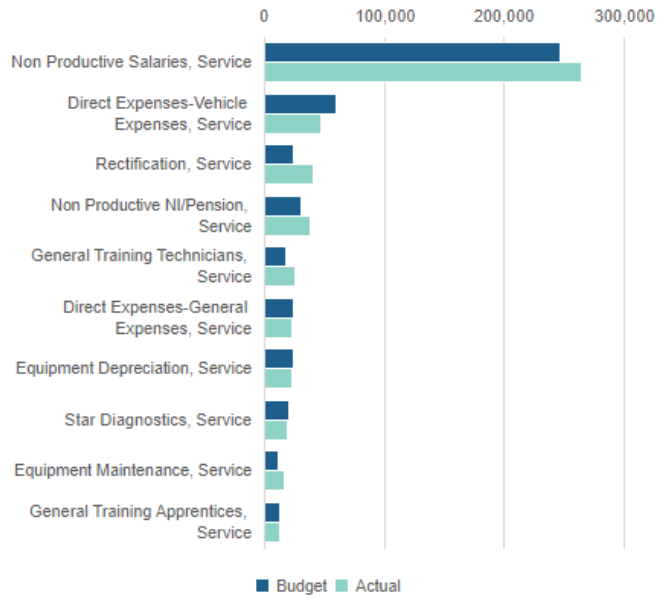
### Contribution by Department

Branch: Bradford, Period: Oct, Year: 2021



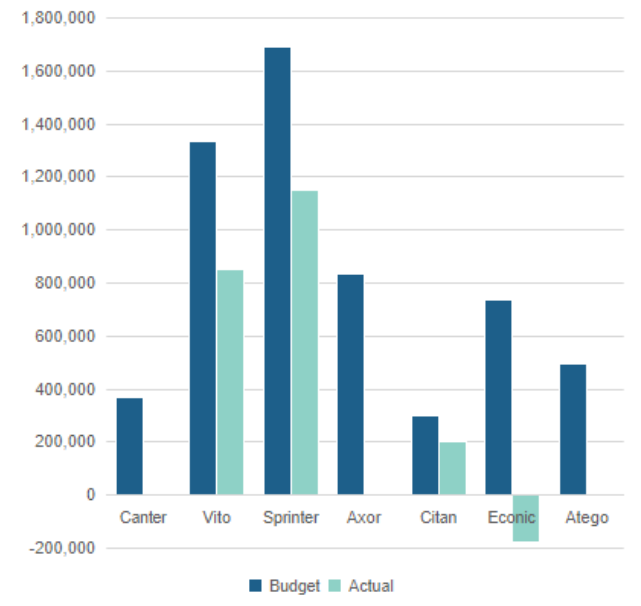
### Service Expenses

Branch: Bradford, Period: Oct, Year: 2021



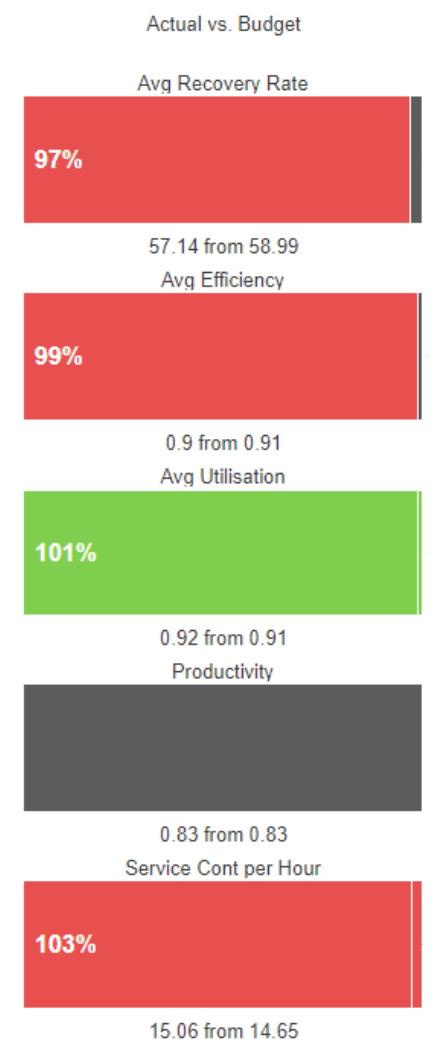
### Sales by Model

Branch: Bradford, Period: Oct, Year: 2021



### Efficiency

Branch: Bradford, Period: Oct, Year: 2021



### Utilisation

Branch: Bradford, Period: Oct, Year: 2021

#### Budget vs. Actual

##### Attended Hours



38359.56 from 37909.66

##### Supervision Hours



1996.4 from 2173.8

##### Apprentice Training Hours



3318.9 from 3232.3

##### Idle Hours



2900.8 from 3196.03

##### Booked to Jobs



30097.7 from 29832.16

# Group Aggregate Income Statement

View Rows Columns Data Export

Standard Configuration Set / Actual / GR0001 - Gr. Genesis Car / EUR - Euro / December 21

Account Number	Account Description	Genesis Cars	Genesis Finance	Genesis Automotive	Genesis UK	Genesis America	Genesis Asia	Genesis International	Genesis Germany
[n] <input type="text"/>	[n] <input type="text"/>	RU0001	RU0002	RU0003	RU0004	RU0005	RU0006	RU0007	RU0008
I110000	Revenues	73,250,313	1,049,394	1,325,827	1,364,557	1,170,970	6,373	748,116	342,497
I120100	Material Costs (direct)	-364,615	-336,573	-376,445	-443,191	-430,618	-2,847	-398,044	-187,812
I120310	Direct Material Production	0	0	0	0	0	0	0	0
I120320	Direct Labor Production	0	0	0	0	0	0	0	0
I120330	Special Direct Costs of Production	0	0	0	0	0	0	0	0
I120300	-Production Costs (direct)	0	0	0	0	0	0	0	0
I120500	Changes in Inventory	-13,524	-11,495	-15,553	-15,825	-13,862	-70	-8,114	-2,881
I120999	Intercompany Differences Cost of Goods Sold	0	740	9,985	23,867	9,543	5	-12,810	28,922
I130111	Personnel Expenses (Material)	-90,160	-76,636	-103,684	-105,502	-92,414	-465	-54,096	-19,204
I130112	Depreciation (Material)	-113	-96	-130	-132	-116	-1	-68	-24
I130113	Other Operating Expenses (Material)	-13,299	-11,304	-15,293	-15,562	-13,631	-69	-7,979	-2,833
I130110	-Material Expenses (indirect)	-103,571	-88,036	-119,107	-121,195	-106,161	-535	-62,143	-22,061
I130211	Personnel Expenses (Production)	-125,097	-106,332	-143,862	-146,384	-128,224	-646	-75,058	-26,646
I130212	Depreciation (Production)	-225	-192	-259	-264	-231	-1	-135	-48
I130213	Other Operating Expenses (Production)	-39,445	-33,528	-45,362	-46,157	-40,431	-204	-23,667	-8,402
I130210	-Production Expenses (indirect)	-164,767	-140,052	-189,483	-192,805	-168,887	-851	-98,860	-35,095
I120000	-Costs of Goods Sold	-646,478	-575,416	-690,602	-749,149	-709,984	-4,298	-579,971	-218,927
I100000	-Gross Profit	72,603,835	473,978	635,225	615,408	460,986	2,075	168,145	123,570
I200999	Intercompany Differences Operating Income	0	0	0	0	0	0	0	0
I210100	Depreciation Reversal	0	0	0	0	0	0	0	0
I210200	Gains from Reversal of Impairment of Assets Held for Sale Included in	40,000,000	4,000	15,612,876	2,665	2,726	14	1,596	567
I210300	Other Operating Income	0	0	0	0	0	0	0	0
I210000	-Operating Income	40,000,000	4,000	15,612,876	2,665	2,726	14	1,596	567



# Operating Expenses

Overview Data Entry

Immediate Writeback On Account Details Analysis Columns PDF PPT XLS

M3Cycle2021-23 - Budget 1 - M3 FAB EMEA

Account Number	Account Description	2021	2022	Trend	January 2022	February 2022	March 2022	April 2022	May 2022	June 2022	July 2022	August 2022	September 2022
		Target											
600000	Operating Expenses	469,862	503,107		14,860	16,233	18,439	50,125	52,383	47,087	52,069	49,161	48,570
580000	Administration	29,139	40,348		2,040	3,923	2,933	3,593	2,630	3,708	3,760	3,902	3,569
58100	Utilities Expense	9,760	20,000		1,538	1,538	1,538	1,538	1,538	1,538	1,538	1,538	1,538
58125	Communications Expense	10,020	10,521		377	925	936	1,363	591	1,350	994	1,031	1,571
58150	Office Supplies	9,359	9,827		125	1,460	459	692	501	819	1,227	1,332	460
720000	Depreciation	0	0		0	0	0	0	0	0	0	0	0
58200	Depreciation Expense	0	0		0	0	0	0	0	0	0	0	0
71230	Depreciation - Buildings	0	0		0	0	0	0	0	0	0	0	0
610000	Staff Costs	338,237	355,149		5,379	4,767	4,900	37,702	40,345	34,140	37,274	37,286	35,489
58300	Direct Labor	300,568	315,596		1,241	1,327	1,562	34,953	35,957	32,429	34,271	34,381	32,992
58350	Direct Labor-Other	9,087	9,541		1,080	1,326	201	634	1,429	403	651	276	1,047
61100	Indirect Labor	10,544	11,071		1,232	935	384	269	1,400	574	273	1,387	699
61230	Payroll Taxes	8,715	9,151		684	210	1,400	1,467	762	539	906	578	608
61300	Leased/Temporary Help	9,323	9,789		1,142	969	1,353	379	797	194	1,173	664	143
584000	Distribution	45,044	47,296		3,502	3,411	4,425	4,975	3,712	3,705	3,448	3,815	4,741
58400	Freight	21,007	22,057		1,471	1,553	2,298	2,979	1,468	1,643	1,306	2,235	2,335
58450	Customs & Duties	14,325	15,041		902	1,092	1,412	1,353	1,257	1,233	1,407	837	1,533
58500	Packaging	7,557	7,935		900	590	560	437	827	633	427	625	712
58650	Factoring Charge	2,155	2,263		229	176	154	206	160	196	308	118	161
630000	Facilities	57,442	60,314		3,939	4,132	6,181	3,855	5,695	5,535	7,586	4,159	4,771
58700	Repairs & Maintenance	10,315	10,831		356	1,182	1,447	117	1,492	780	1,069	781	184
58750	Training Expense	8,969	9,417		1,232	272	478	531	1,035	411	1,440	971	893
63200	Insurance Expense	8,430	8,852		253	302	1,221	512	1,265	1,457	989	111	473
63300	Rent Expense	10,345	10,862		625	1,344	1,296	575	1,323	333	1,002	838	1,560

Operating Expenses

Overview Data Entry

M3Cycle2021-23 - Budget 1 - M3 FAB EMEA

Account Number	Account Description
600000	Operating Expenses
580000	Administration
58100	Utilities Expense
58125	Communications Expense
58150	Office Supplies
720000	Depreciation
58200	Depreciation Expense
71230	Depreciation - Buildings
610000	Staff Costs
58300	Direct Labor
58350	Direct Labor-Other
61100	Indirect Labor
61230	Payroll Taxes
61300	Leased/Temporary Help
584000	Distribution
58400	Freight
58450	Customs & Duties
58500	Packaging
58650	Factoring Charge
630000	Facilities
58700	Repairs & Maintenance
58750	Training Expense
63200	Insurance Expense
63300	Rent Expense

### Define Phasing

Account: Utilities Expense

Account Phasing Method By defined method

+ Add Phasing Method

Predefined Methods	1	2	3	4	5	6	7	8	9	10	11	12
<input type="radio"/> Seasonality	1.00	2.00	2.00	3.00	3.00	4.00	2.00	2.00	4.00	5.00	4.00	1.00
<input type="radio"/> Equal	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
<input type="radio"/> End of Quarter	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	1.00	0.00	0.00	1.00

User-Defined Methods	1	2	3	4	5	6	7	8	9	10	11	12
<input checked="" type="radio"/> Utilities Expense	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	2.00	1.00
<input type="radio"/> Teresia	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<input type="radio"/> Test	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
<input type="radio"/> Test 1	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00

Cancel Apply

	June 2022	July 2022	August 2022	September 2022
	46,839	52,072	49,043	47,200
	3,460	3,763	3,784	2,199
	1,290	1,541	1,421	168
	1,350	994	1,031	1,571
	819	1,227	1,332	460
	0	0	0	0
	0	0	0	0
	0	0	0	0
	34,140	37,274	37,286	35,489
	32,429	34,271	34,381	32,992
	403	651	276	1,047
	574	273	1,387	699
	539	906	578	608
	194	1,173	664	143
	3,705	3,448	3,815	4,741
	1,643	1,306	2,235	2,335
	1,233	1,407	837	1,533
	633	427	625	712
	196	308	118	161
	5,535	7,586	4,159	4,771
	780	1,069	781	184
	411	1,440	971	893
	1,457	989	111	473
	333	1,002	838	1,560

# Operating Expenses

Overview Data Entry

M3cycle2021-23 - Budget 1 - M3 FAB EMEA

Immediate Writeback On | 
 Account Details | 
 All Rows | 
 Analysis | 
 Columns | 
 PDF | PPT | XLS | ...

	Account Number	Account Description	2021	2022	Trend	Commentary	January 2022	February 2022	March 2022	April 2022	May 2022	June 2022
			Target									
<input type="radio"/>	600000	Operating Expenses	469,862	503,107			14,860	16,233	18,439	15,383	15,383	47,087
<input type="radio"/>	580000	Administration	29,139	40,348			2,040	3,923	2,933	2,630	2,630	3,708
<input type="radio"/>	58100	Utilities Expense	9,760	20,000			1,538	1,538	1,538	1,538	1,538	1,538
<input type="radio"/>	58125	Communications Expense	10,020	10,521			377	925	936	1,363	591	1,350
<input type="radio"/>	58150	Office Supplies	9,359	9,827			125	1,460	459	692	501	819
<input type="radio"/>	720000	Depreciation	0	0			0	0	0	0	0	0
<input type="radio"/>	58200	Depreciation Expense	0	0			0	0	0	0	0	0
<input type="radio"/>	71230	Depreciation - Buildings	0	0			0	0	0	0	0	0
<input type="radio"/>	610000	Staff Costs	338,237	355,149			5,379	4,767	4,900	37,702	40,345	34,140
<input type="radio"/>	58300	Direct Labor	300,568	315,596			1,241	1,327	1,562	34,953	35,957	32,429
<input type="radio"/>	58350	Direct Labor-Other	9,087	9,541			1,080	1,326	201	634	1,429	403
<input type="radio"/>	61100	Indirect Labor	10,544	11,071			1,232	935	384	269	1,400	574
<input type="radio"/>	61230	Payroll Taxes	8,715	9,151			684	210	1,400	1,467	762	539
<input type="radio"/>	61300	Leased/Temporary Help	9,323	9,789			1,142	969	1,353	379	797	194
<input type="radio"/>	584000	Distribution	45,044	47,296			3,502	3,411	4,425	4,975	3,712	3,705
<input type="radio"/>	58400	Freight	21,007	22,057			1,471	1,553	2,298	2,979	1,468	1,643
<input type="radio"/>	58450	Customs & Duties	14,325	15,041			902	1,092	1,412	1,353	1,257	1,233
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<input type="radio"/>	63200	Insurance Expense	8,430	8,852			253	302	1,221	512	1,265	1,457
<input type="radio"/>	63300	Rent Expense	10,345	10,862			625	1,344	1,296	575	1,323	333

- Timeline
- Commentary
- Account Number
- Account Description

# Infor EPM facts

---

**4500+**

Customers

**30+ years**

in EPM Market

**80 / 20**

Countries / Languages

---

**1100+**

d/EPM community  
members

**100+**

Major features  
last year

**Platform**

Cloud and  
on-premise

- Introducing d/EPM

# Infor d/EPM customers

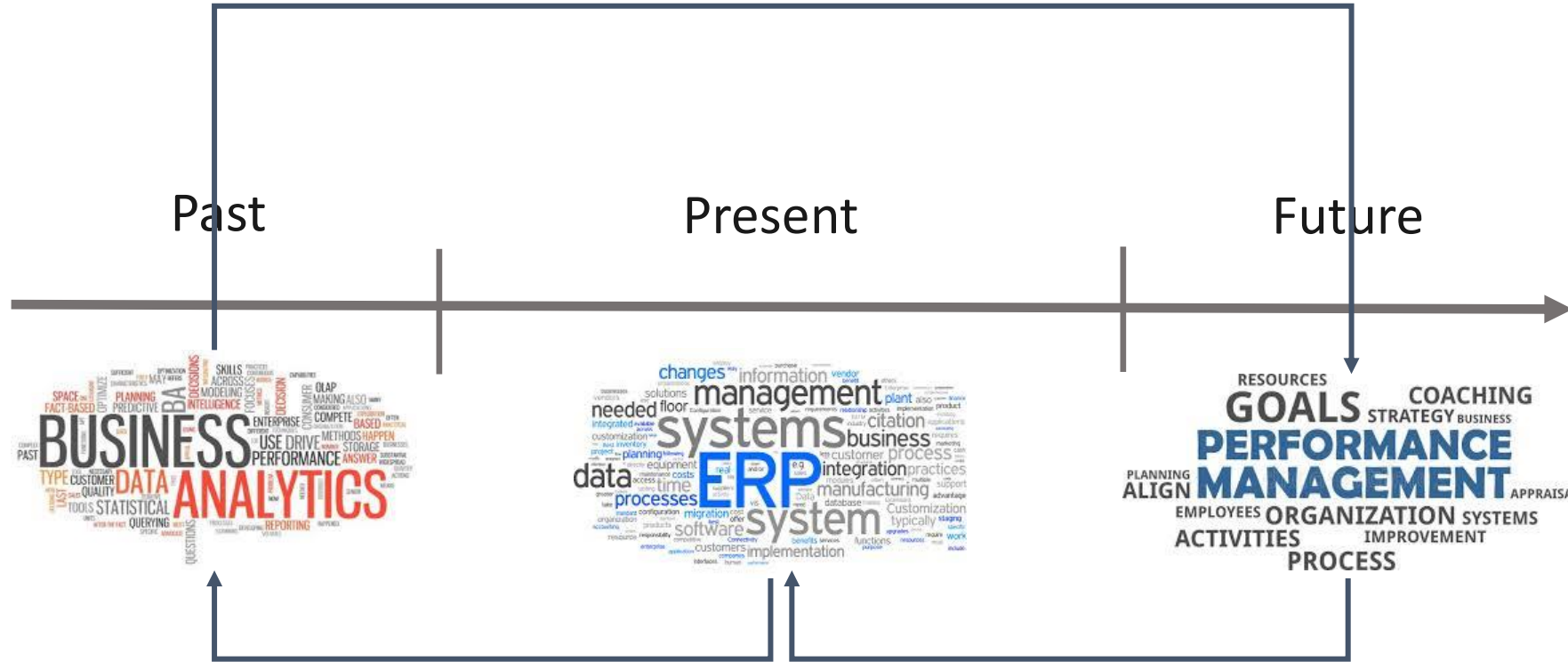


# 05

## What tool for what purposes?

# ERP | EPM | BI ?

- **Traditional, bread and butter:** Descriptive, BI (Business Intelligence), management reporting; time series-, benchmark- and root cause analysis
- **The "new" paradigm:** Predictive, Prescriptive, AI, Machine Learning, IoT, Big data, Data Lakes



Descriptive reporting & analytics

Financial consolidation  
Financial reporting  
Statutory reporting  
Actuals to budget

**EPM**

**M3, LN, S3**



**EPM**

Planning, budgeting, forecasting

Predictive Analytics  
Prescriptive Analytics



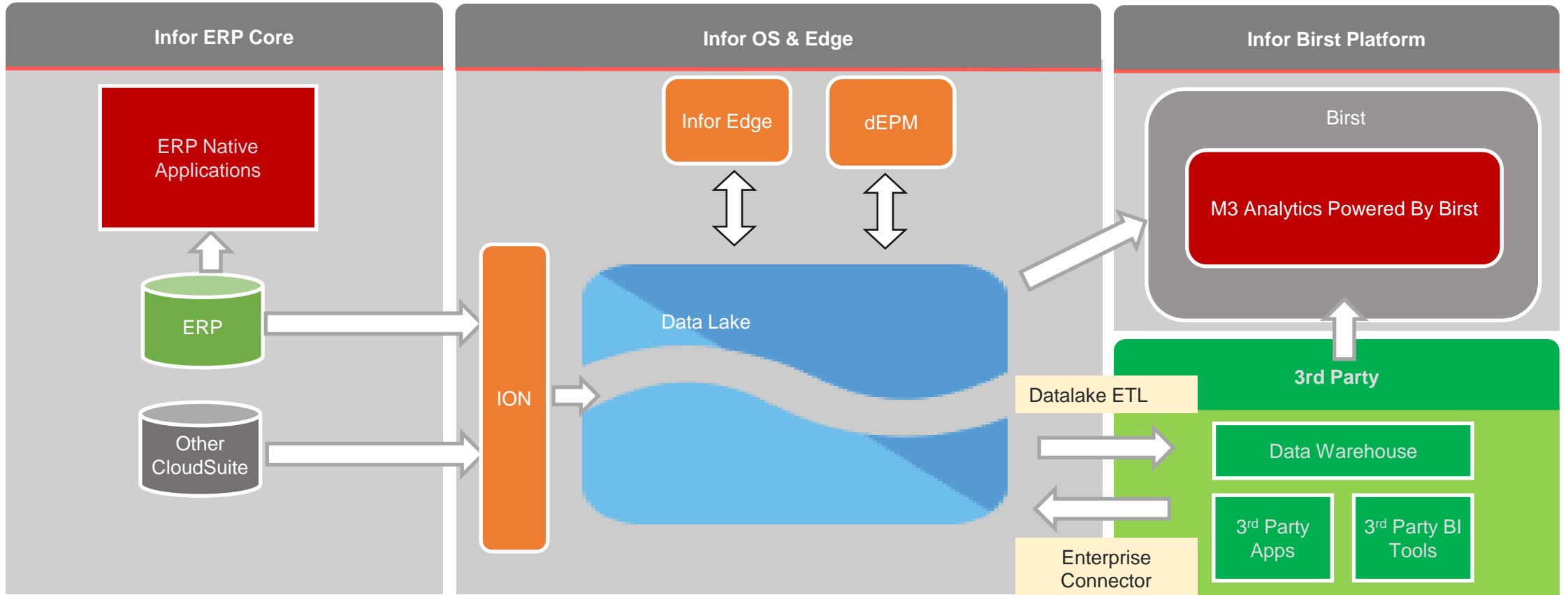
# 06

## MT cloud Architecture

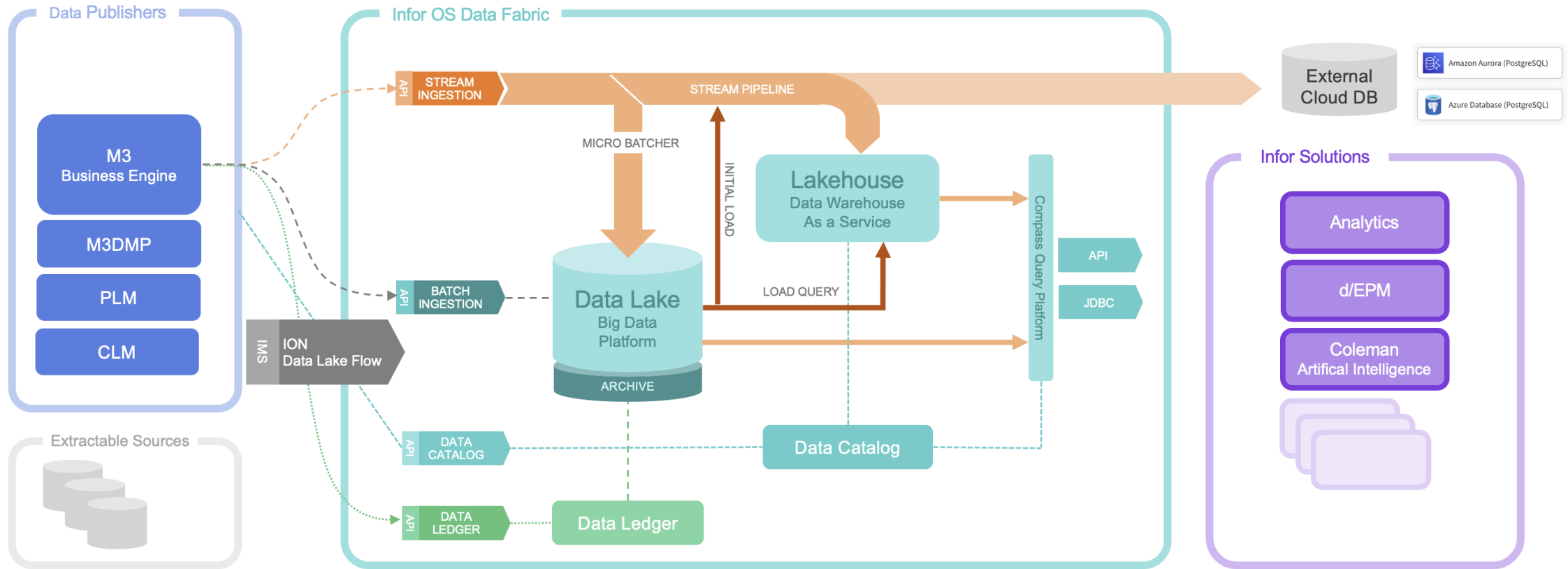


# Data Warehouse and Datalake ETL

*All License dependent*



# M3 and Data Fabric Details



# 07 Other

- M3 Data management and BI

# Upcoming events

- **Infor Cloud Suite EPM (Enterprise Performance Management) - demo and discussions**
  - Budgeting, forecasting, operational planning, financial consolidation and reporting
  - 10 Mar
  
- **DataFabric**
  - Streaming data and M3
  - 12 Apr

# Data Fabric Cheat Sheet



[infortech.link/DF-CheatSheet](https://infortech.link/DF-CheatSheet)

**infor**  
CHEAT SHEET  
**Infor OS Data Fabric**

**Key Concepts & Definitions**

- Data fabric:** Infor's big data management platform.
- Data lake:** Flexible and economical cloud object storage solution where data is stored in its raw format.
- Data object:** Data Lake data is stored as data objects. Data objects are formed from the bare raw data and the data object properties.
- Atlas:** Data Object Explorer UI experience for viewing and managing data lake objects.
- Compass:** A suite of tools that provide data consumers with interfaces for connecting to and processing ANSI-SQL queries against data objects stored within the Data Fabric. Supported object formats: NDJSON & CSV (CSV, TSV, or user-defined).
- Data lake flow:** A sequence of activities orchestrated by ICH that results in sending and/or retrieving Data Lake data.
- Data catalog:** The Data Catalog stores metadata about data objects that are used within the organization.
- Data loader:** An application that facilitates the one-time loading of multiple database tables at once directly to Data Lake.
- Metadata crawler:** A script that facilitates generating object metadata for tables, views, and materialized views stored in a database.
- Data egress:** The outbound transmission of data that traverses Infor's cloud boundary on request of a user, client, application or system.

**Components**

- Application:** The Data Fabric application allows you to view, manage, and query your data objects that are stored in Data Lake. The Data Lake menu includes these menu options: Atlas, Compass, and Purge.
- API suite:** RESTful APIs for:
  - Ingesting data into Data Lake.
  - Retrieving data from Data Lake or querying Data Lake.
  - Managing the data from application.
- Message adapters:** Data Lake Ingestion by object, Data Lake Ingestion over Time, Data Lake Storage Overview (see also Usage reports).
- Compass JDBC driver:** The Compass JDBC driver can be used to query Data Lake data through a local SQL query tool.

**Synthetic functions**

- infor\_dataobjectid:** Unique identifier of the Data Lake data object.
- infor\_dataobjectparentid:** The infor\_dataobjectid of the record location or link, in the infor\_dataobjectid.
- infor\_timestamp:** Timestamp in which the data object was added to the Data Lake.
- infor\_attributes:** Select all variations, including lower variations and variations marked as deleted.
- infor\_maxvalue:** Select the maximum variation, even if the highest variation is deleted.

**Resources**

- Product overview
- YouTube Playlist
- Documentation
- Training
- Infor technology blog
- User Community

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**infor**  
**Infor OS Data Fabric APIs**

<b>v1 Ingestion</b>	POST /dataobjects	<b>v1 Data Lake storage, ingestion, and data management services</b>	GET /dataobjects	GET /dataobjects/dataobjects
<b>v2 Compass query platform</b>	GET /query		DELETE /dataobjects/filter	GET /dataobjects/ID
	PUT /dataobjects/insert		DELETE /dataobjects/delete	POST /dataobjects/insert
	GET /dataobjects/retrieve		PUT /dataobjects/insertformat	GET /dataobjects/retrieve
	GET /dataobjects/delete		GET /dataobjects/retrieveformat	GET /dataobjects/retrieve
	POST /dataobjects/delete		GET /dataobjects/retrieveformat	GET /dataobjects/delete
			GET /dataobjects/delete	GET /dataobjects/delete

**Use Cases and Considerations**

- Reporting and analytics.
- Performant query access.
- Masked by domain or subject areas.
- Able to handle high-query volumes and concurrent users.
- Store structured data only with pre-defined schemas (schema-on-write).

**Data Warehouses**

**Data Lakes**

- Stores all data formats immutably (data stored as-is, even corrupt data).
- Stores all versions of data for historic tracking.
- Data available for discovery, data science, machine learning, etc.
- Store structured, semi-structured and unstructured data (schema-on-read).

**Data Lake Architecture**

**Data fabric producers & consumers**

# Real-time value at work

Industry Cloud designed for business growth and user satisfaction—ERP simplified.

[infor.com](https://www.infor.com)



Product  
overview



YouTube  
Playlist



Documentation



Training



Technology  
blog



User  
Community

**infor**

ERP Simplified:  
Smart. Preconfigured. Modern.

# Infor Community portal



## Discuss

Create new topics to discuss d/EPM features, ask questions and help others to become d/EPM experts



## Learn

Check d/EPM Training sessions to learn more about d/EPM with 50+ hours of educational materials



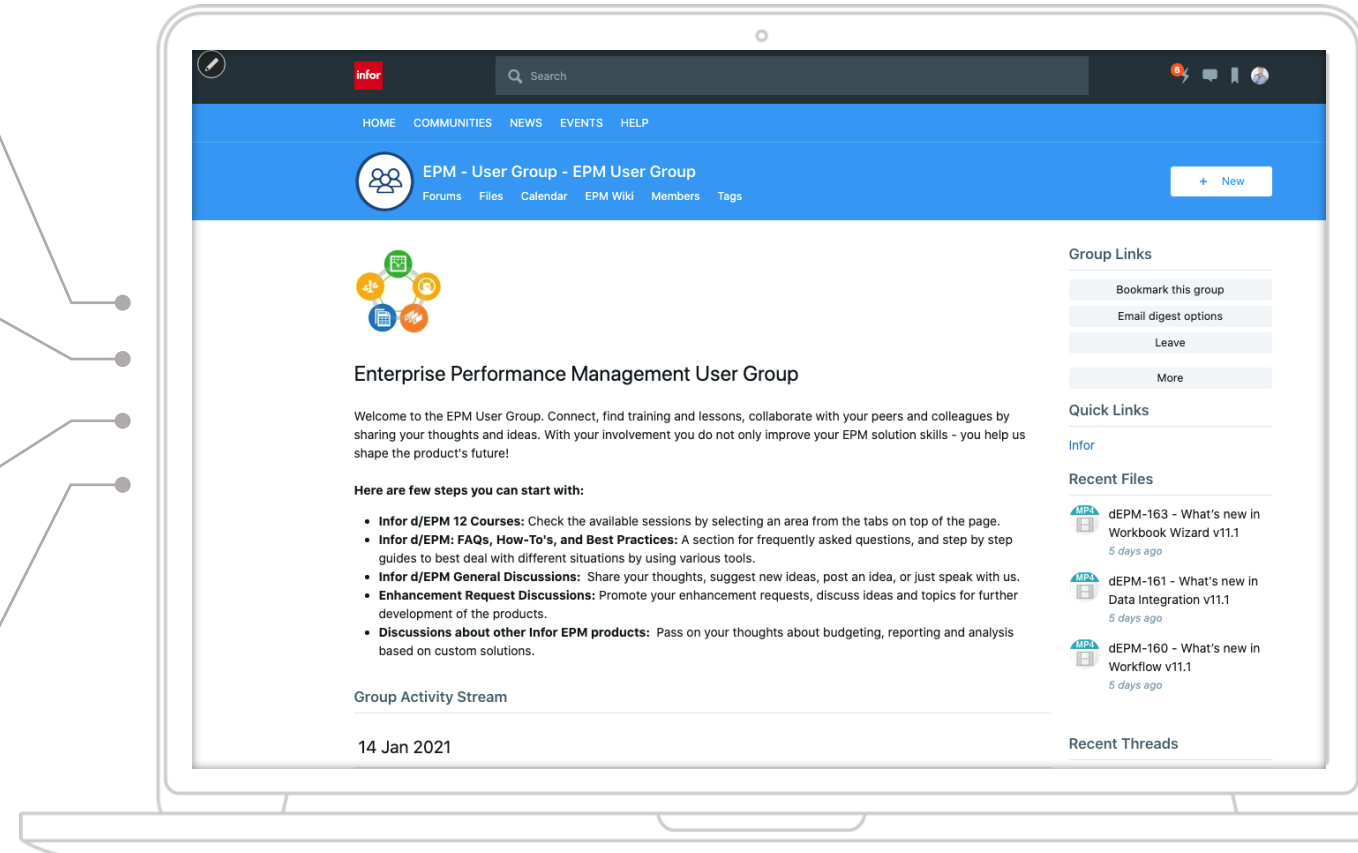
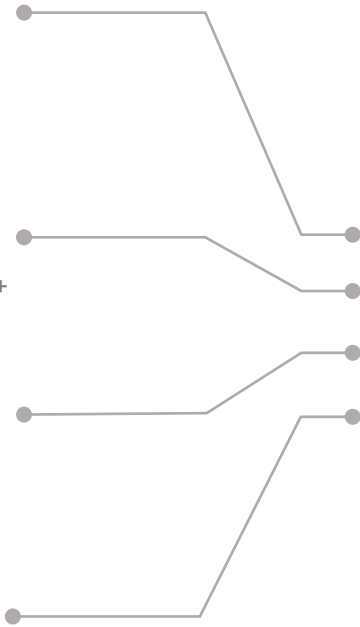
## Meet

Participate in regular meetings, both virtual EPM User Group calls and face-to-face events



## Share

Share your experience, ideas and success



<https://conciierge.infor.com>

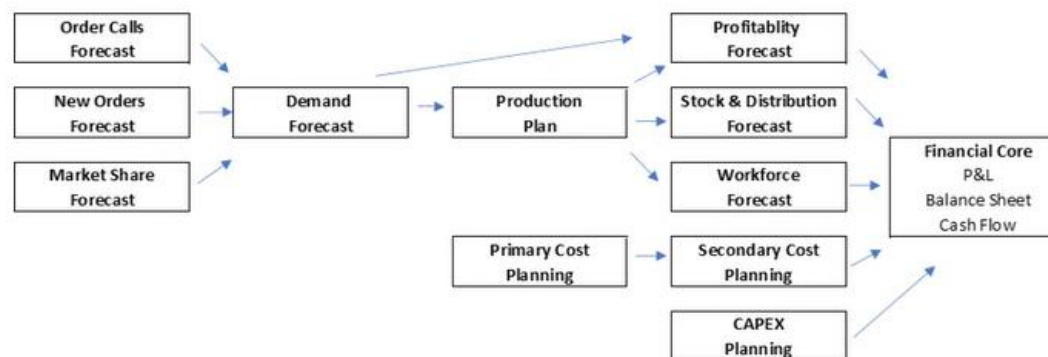
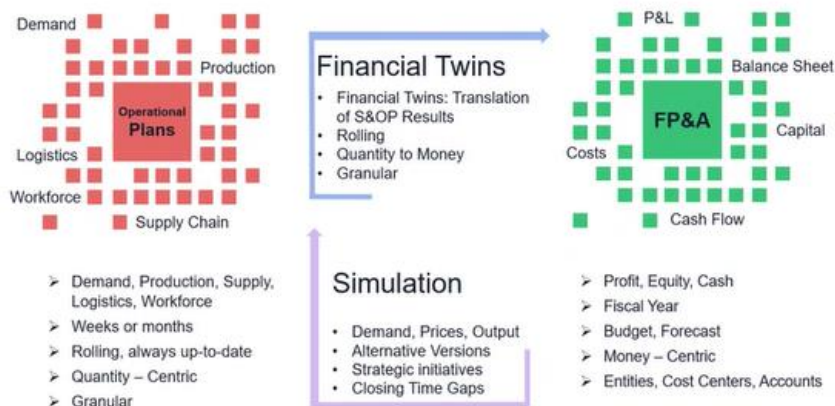
# Next Generation Enterprise Planning

## Translates Demand & Supply into Profit & Cash

- Extended Planning & Analysis for Automotive Suppliers
- Operational Demand & Productions Plans are used to calculate Financial Plans without manual intervention
- Advanced Automotive Supplier Demand Forecast
- Total Market Planning & Analysis
- Profit Planning & Reporting on Customer and Product level
- CAPEX & Workforce Planning
- P&L, Balance Sheet, Cash Flow Statement, Management Consolidation

## Comprehensive, Fast, Relevant

- Short planning cycles & up-to-date forecasts
- Massive reduction of planning efforts
- Changes in operational plans are directly translated into financial effects
- Full integration between planning and actual reporting and analysis
- Ready for continuous planning, classical budgeting and forecasting is still supported
- **Available Q4/2023**







# Thank you

Infor is a global leader in business cloud software specialized by industry.

**Infor.com**

