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IOblend

robust data

delivered in real-time

ioblend.com

What is IOblend?

IOBLEND IS AN END-TO-END AUTOMATED DATA INTEGRATION SOLUTION WITH IN-BUILT DATAOPS CAPABILITIES

PRODUCTION DATA PIPELINES OUT-OF-THE-BOX

IOBLEND IS A LOW-CODE/NO CODE TOOL FOR BUILDING, RUNNING AND MANAGING ROBUST DATA PIPELINES FAST, BATCH AND REAL-TIME

IOBLEND CAN BE DEPLOYED IN THE CLOUD, ON-PREM AND HYBRID ENVIRONMENTS, FULLY WITHIN THE CLIENT'S SECURITY NET

IOBLEND SIGNIFICANTLY REDUCES EFFORT OF DATA INTEGRATIONS, DATA MIGRATIONS, REAL-TIME DATA PROJECTS AND DATA SYNCRONISATIONS

FREE DEVELOPER EDITION IS AVAILABLE

Covers all data integration applications

DATA PRODUCTS AND DIGITAL APPS DEVELOPMENT

CUSTOMER 360 VIEW ENABLEMENT AND CRM

PRODUCTION AI AND ML OPS MANAGED DATA FEEDS

ONLINE STREAMING SERVICES, SATCOMS, AND MOBILE COMMS

PLANT MANAGEMENT, PLANNING AND MONITORING

SMART CITY/HIGHWAYS MANAGEMENT AND IMPLEMENTATION, IOT

REVENUE MANAGEMENT SYSTEMS, NETWORK PLANNING, REAL-TIME DATA ANALYTICS

SPACE/SEA/AIR/RAIL MANAGEMENT SYSTEMS AND LIVE FORECASTING

RESOURCE PLANNING AND MANAGEMENT – LIVE OPTIMISATION AND ALLOCATION

CENTRAL OR FEDERATED DATA REPOSITORY CREATION AND MANAGEMENT

DATA MIGRATION, CLOUD IMPLEMENTATIONS, INTEGRATION AND LEGACY SYSTEM UPGRADE PROJECTS

The Solution (Tech)

FAST DEVELOPMENT
NO CODE, ITERATIVE PIPELINE DEVELOPMENT WITH FULLY REUSABLE AND SHAREABLE ARTIFACTS. FULLY FLEXIBLE – ETL/ELT/REVERSE-ETL/SYNC. BUILD AND MANAGE REAL-TIME SPARK DATA PIPELINES WITHOUT NEEDING SPARK DEVS

KAPPA ARCHITECTURE
SEAMLESSLY INTEGRATES BATCH AND REAL-TIME DATA

INTEGRATED DATA MANAGEMENT AND TECHNICAL GOVERNANCE
RECORD-LEVEL LINEAGE, CDC (ALL THREE METHODS), METADATA, SCHEMA, EVENTING, DE-DUPING, SCD I AND II, CHAINED AGGREGATIONS, MDM, CATALOGING, TIME TRAVEL, WINDOWING, COMPACTION

POWERFUL DATA PROCESSING ENGINE
ENHANCED APACHE SPARK, AUTOMATED CLUSTER MANAGEMENT, IN-MEMORY COMPUTES, >1M TRANSACTIONS PER SEC PROCESSING SPEED

RUN SECURELY ANYWHERE
DEPLOYED LOCALLY, ON EDGE, ON-PREM, CLOUD AND HYBRID ENVIRONMENTS – RESIDES INSIDE THE CLIENT'S SECURITY NET. WORKS WITH ANY DATA FROM ANY SOURCE

ACHIEVE MORE WITH LESS
REDUCE DATA ENGINEERING COSTS BY >70% AND IMPROVE DATA INTEGRATION PROJECT TIMELINES BY 10X

The Value

THE BIGGEST VALUE LIES IN THE INCREASED DATA CAPABILITIES AND REDUCTION OF THE DATA INTEGRATION EFFORT.

IOBLEND REDUCES DEVELOPMENT EFFORT BY 70%, WHILE OFFERING UNPARALLELED INTEGRATION CAPABILITIES OUT-OF-THE-BOX

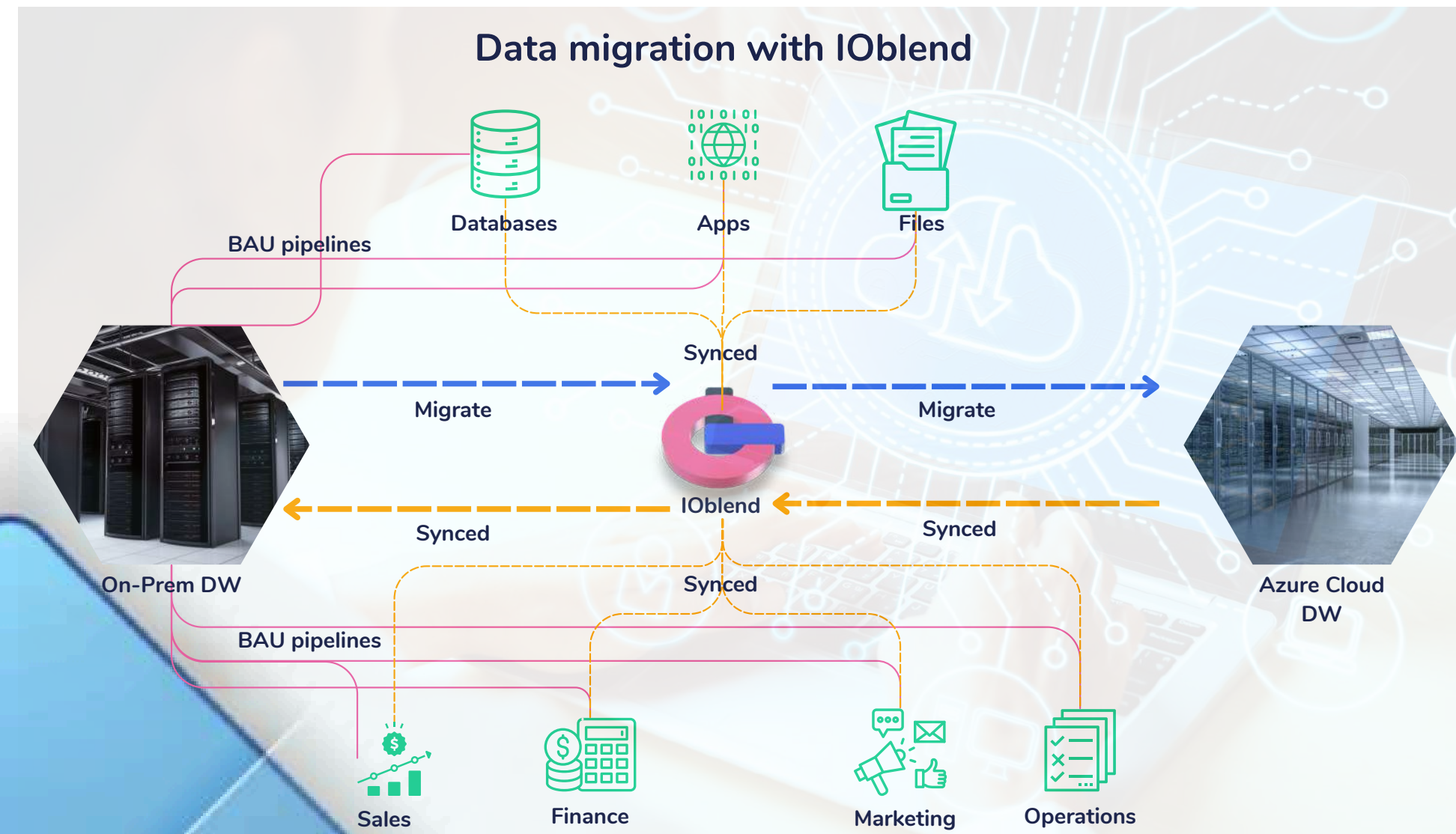|	IOblend	dbt (dbt Cloud)	Fivetran (Enterprise)	Matillion (Enterprise ETL)	Talend/Qlick (Data Fabric)	Streamsets (DataOps)	Informatica (Integration Cloud Data)	MS ADF (Azure Data Factory)
Data processing								
Apache Spark	V				V	V	V	
ETL/ELT	V			V	V	V	V	
In-memory processing	V				V			
High-volume & low-latency	V							
Change Data Capture (CDC) log, query and trigger based	V				V	V	V	
Batch processing	V	V	V	V	V	V	V	V
Stream processing	V			V	V	V		
Automatic data recovery	V			V	V			
Data ingestion from any source (API, JDBC, ODBC, ESB, Web, flat files)	V				V	V	V	
Complex data aggregations	V							
Late arriving data management	V					V		
Automatic state management	V					V		
Automatic compaction	V	V	V			V		
On-prem integration	V			V	V	V	V	V
Cloud integration	V	V	V	V	V	V	V	V
Data management								
Data lineage at record level	V							
Data quality management	V		V			V		V
Error management	V		V		V	V	V	V
Slowly Changing Dimensions (SCD)	V				V		V	
Metadata management	V				V			
Data tables management	V	V						V
Data archiving	V	V						
Data monitoring	V			V	V	V	V	V
Automated alerting	V		V		V	V	V	V
Schema drift management	V						V	
Data de-duping	V	V						
Efficiency and governance								
No-code / low-code	V		V	V				V
Component re-use	V	V	V					
Collaborative framework	V	V	V					
CI/CD versioning and deployment	V	V	V		V	V	V	V
Testing framework	V			V	V		V	
Auditability	V							
Pipeline scheduling	V		V		V	V		V

Fast and cost-effective data migrations

WITH IOBLEND, DATA MIGRATION IS MASSIVELY ACCELERATED, SIMPLIFIED AND DE-RISKED

RUN BOTH OLD AND NEW SYSTEMS OR WAREHOUSES IN PARALLEL UNTIL READY TO COMPLETE MIGRATION

LIFT-AND-SHIFT, CLEAN UP, TRANSFORM DATA, APPLY GOVERNANCE, REBUILD DWS AND SYNC DATA ACROSS MULTIPLE SYSTEMS

EXTRACT, APPLY BUSINESS RULES, TEST AND ALIGN CHANGES WITH LIVE SYSTEMS - IOBLEND DOES IT ALL IN ONE TOOL

Data migration with IOblend

Databases — Apps — Files

BAU pipelines

Synced

On-Prem DW — Migrate — IOblend — Migrate — Azure Cloud DW

Synced — Synced — Synced

BAU pipelines

Sales — Finance — Marketing — Operations

Easy CRM data integration (D365)

Automatically maintain golden records across systems

POS systems

CRM suite

IOblend

Real-time data integration

Sales database

Data entry

Synced data to source systems and databases

Finance

Web/App events

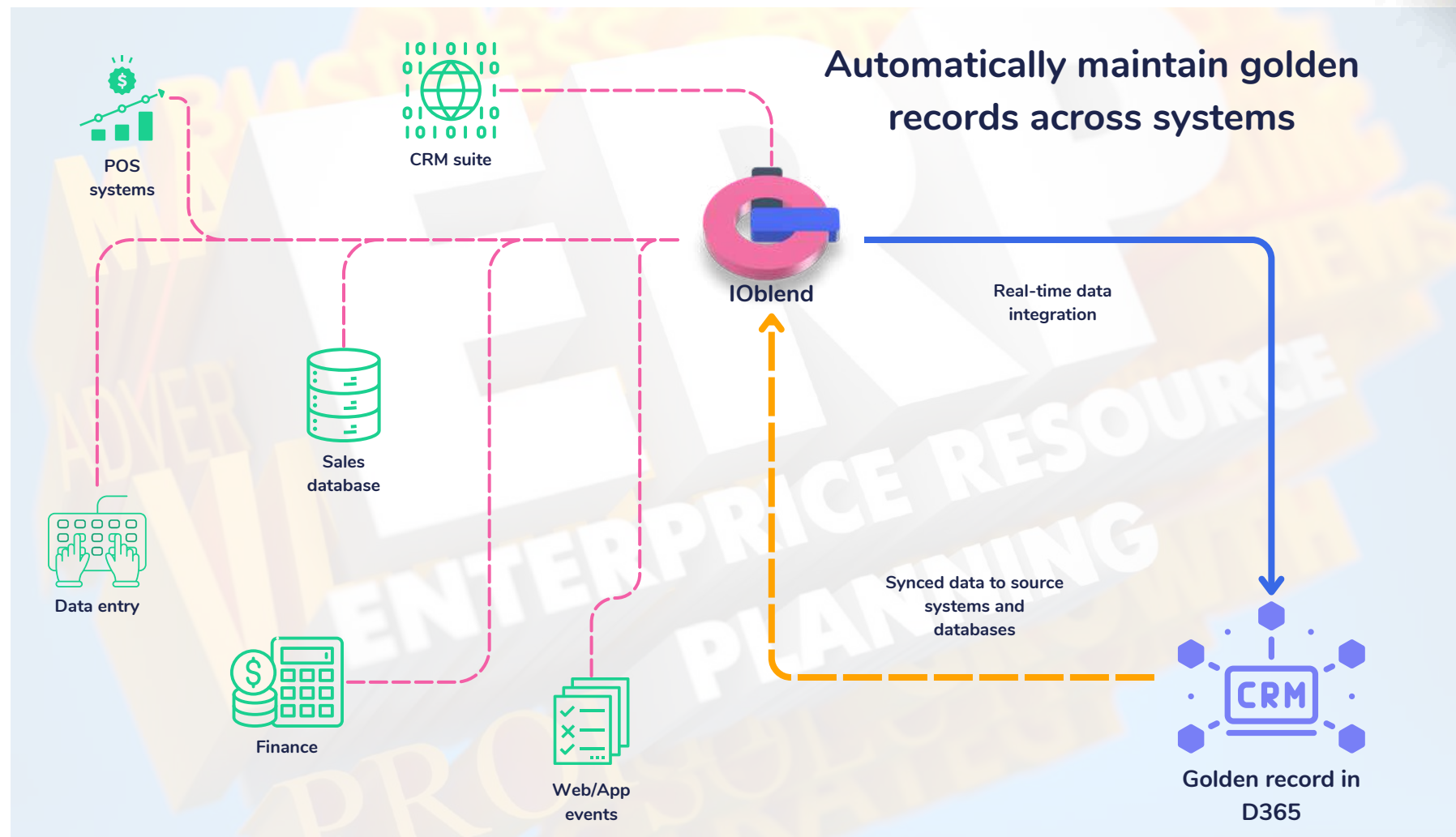Golden record in D365

CRM

DATA INTEGRATION EFFORT WITH CRM SYSTEMS LIKE D365 IS SIGNIFICANTLY REDUCED

IOBLEND INTEGRATES WITH ALL DATA SOURCES AND SYSTEMS AND MANAGES THE DATA IN REAL-TIME. ADD AS MANY SOURCES AS REQUIRED

AUTOMATICALLY MANAGES DATA QUALITY, APPLIES DATA GOVERNANCE AND SCALES INFRASTRUCTURE TO CATER FOR ANY COMPLEXITY AND VOLUME

BUILD YOUR PRODUCTION CRM DATA PIPELINES IN DAYS, REDUCING YOUR DEVELOPMENT AND MAINTENANCE COST

EASILY SYNC DATA UPDATES AMONG ALL SYSTEMS. ESPECIALLY USEFUL IF USING DYNAMICS 365 AS MASTER DATA
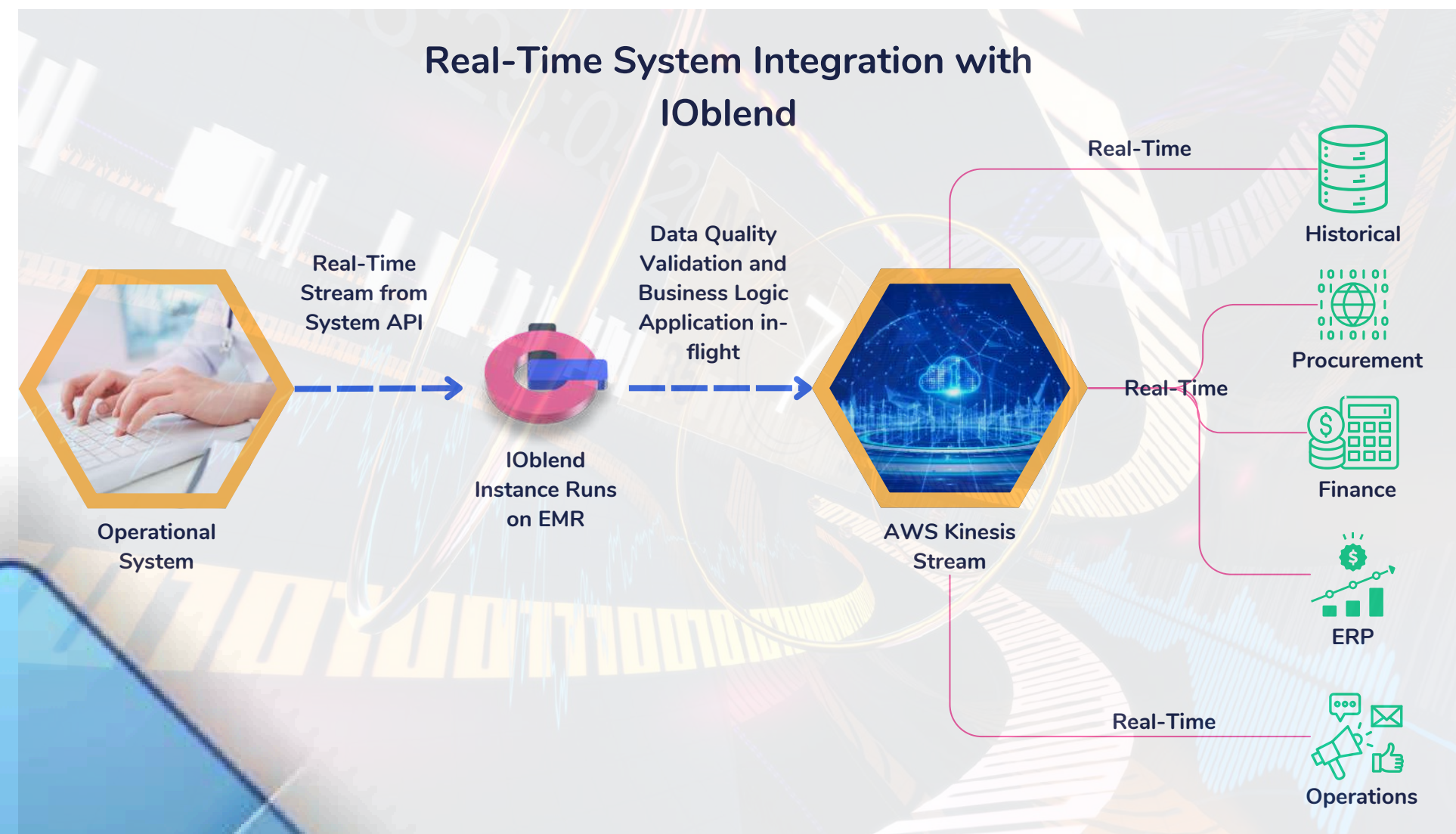
Real-Time System Integration

REAL-TIME SYSTEM INTEGRATIONS CAN BE DELIVERED QUICKLY REGARDLESS OF THEIR COMPLEXITY

INTEGRATE ON-PREM, CLOUD AND HYBRID SYSTEMS FAST

APPLY DATA VALIDATIONS, GOVERNANCE, BUSINESS RULES, AND STORED PROCEDURES IN-FLIGHT - FULL DEVELOPMENT FREEDOM

DELIVER FULL SYSTEM INTEGRATIONS IN DAYS NOT WEEKS OR MONTHS

Real-Time System Integration with IOblend

Operational System — Real-Time Stream from System API → IOblend Instance Runs on EMR — Data Quality Validation and Business Logic Application in-flight → AWS Kinesis Stream — Real-Time → Historical, Procurement, Finance, ERP, Operations

IOblend powers manufacturing IoT

MEDICAL EQUIPMENT COMPANY RELIED ON MANUAL EXTRACTS OF THE MACHINE DATA, DROPPING IT INTO A CSV AND SENDING ONCE A WEEK TO THE HQ FOR PROCESSING AND ANALYTICS
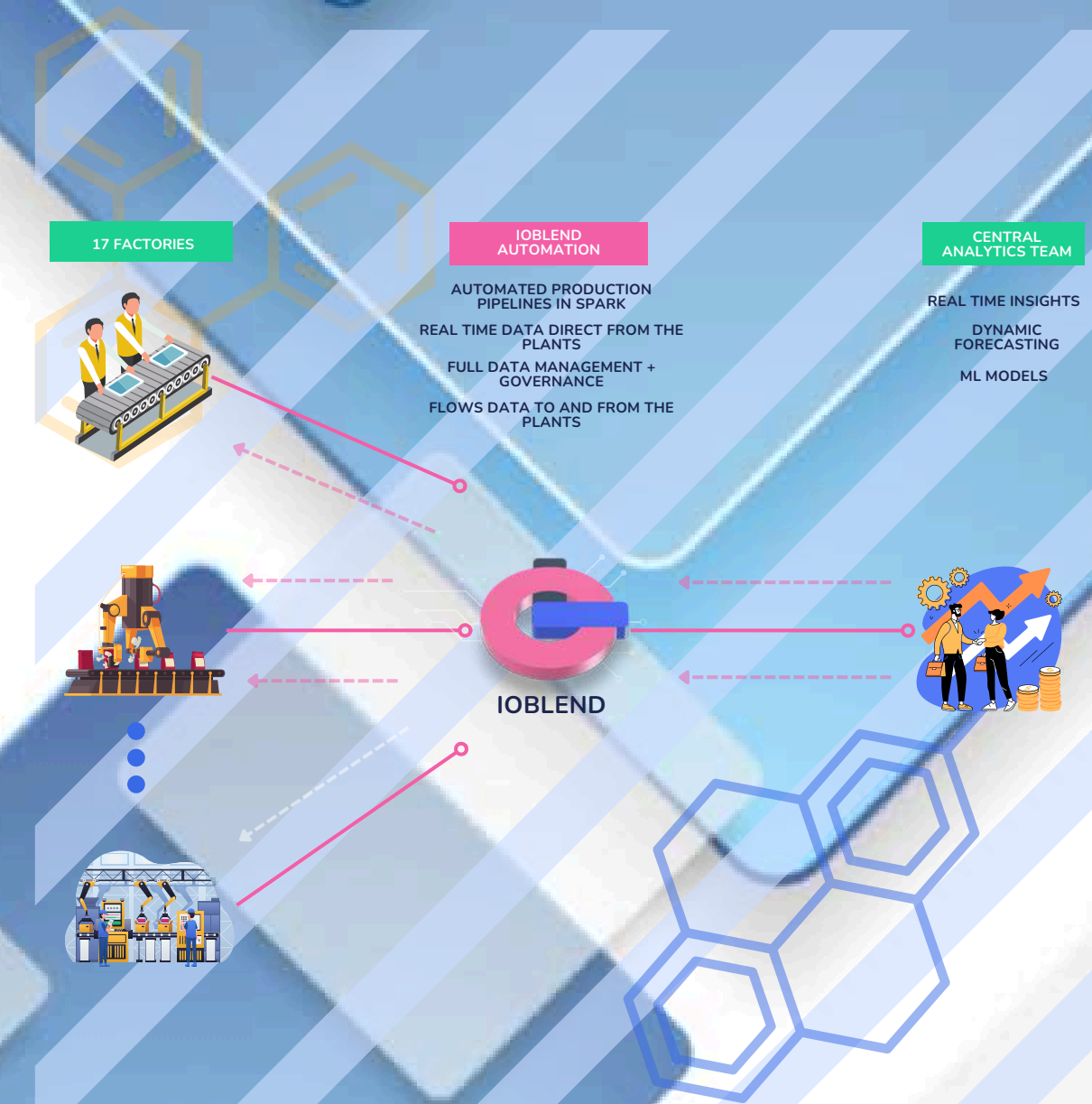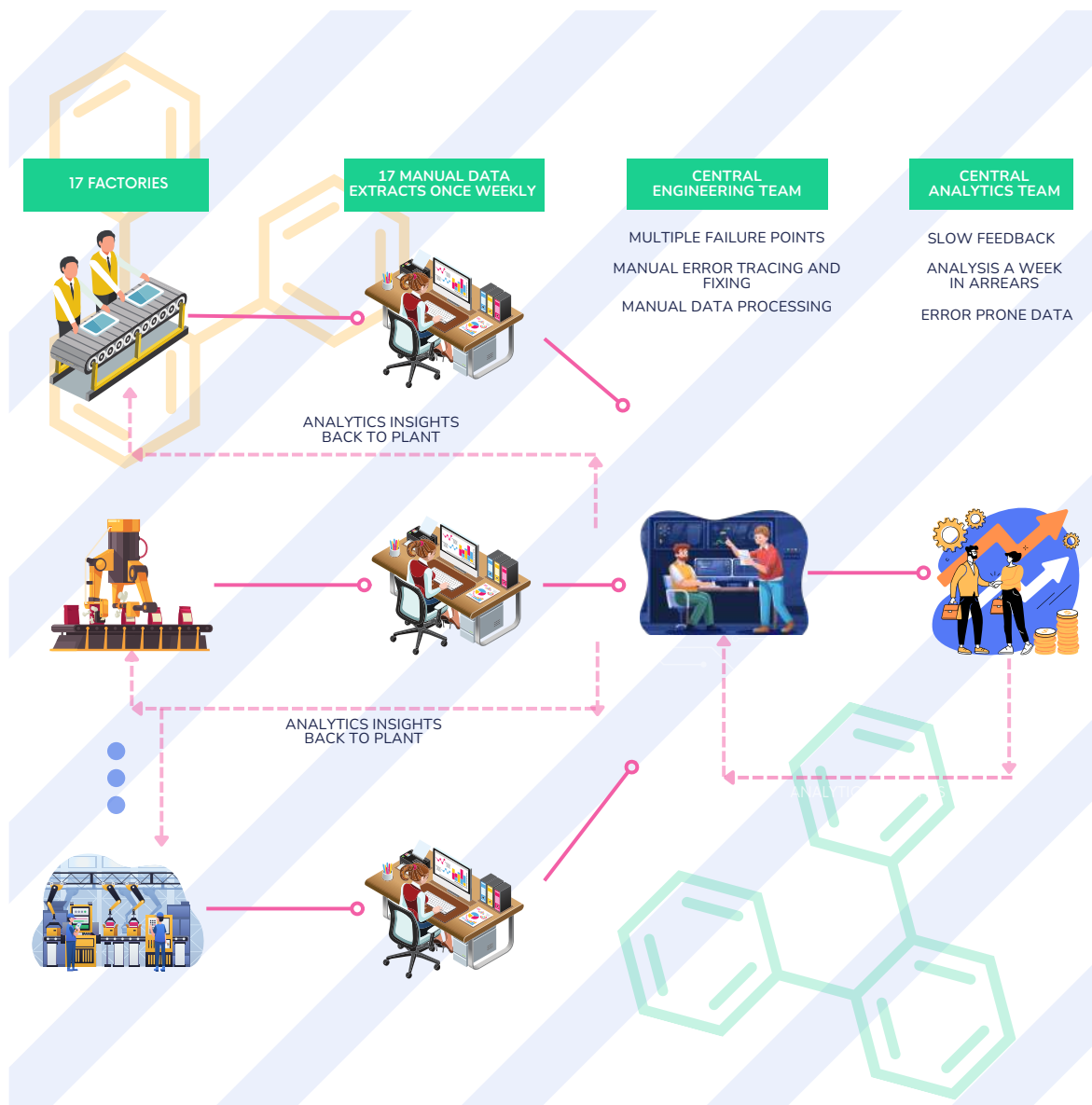
THIS DATA WAS ALWAYS AT LEAST A WEEK IN ARREARS, MEANING THAT LIVE PRODUCTION DECISIONS WERE IMPOSSIBLE TO MAKE FROM THE HQ. LIVE INVENTORY, MACHINE DOWNTIME, COMPONENT QUALITY, ETC HAD TO BE ADDRESSED WELL AFTER THE ISSUES (AND COSTS) HAVE OCCURRED

IOBLEND CONNECTED ALL SEVENTEEN FACTORIES AND ENABLED TRUE REAL TIME DATA FLOWS USING OUR PROPRIETARY SPARK-BASED ENGINE – FULL END-TO-END INTEGRATION

IOBLEND AUTOMATICALLY APPLIED DATA MANAGEMENT AND DATA GOVERNANCE POLICIES, AGAIN IN REAL TIME, THUS ENSURING THE DATA FLOWING THROUGH THE PIPELINES WAS ROBUST AND RELIABLE

THE EASE OF INSTALLATION AND IMPLEMENTATION OF IOBLEND MEANT THAT THE ORIGINAL PROJECT TIMELINE OF EIGHT MONTHS WAS REDUCED TO JUST THREE WEEKS, INCLUDING ONE WEEK OF THE DISCOVERY PHASE

THE PREDICITVE ANALYTICS MODEL ON TOP OF IOBLEND IMPROVED EFFICIENCY BY >$1.5M PA

ISV technology partner

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