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# USERS CONFERENCE 2016

April 4-8, 2016 | San Francisco

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# Transforming Process Data Into Information

PI Integrator for Business Analytics

Presented by Rodrigo Quintero  
Operations Model & Planning Manager



### Company overview

#### Business

CEMEX is a global building materials company that provides high-quality products and reliable service to customers and communities in more than 50 countries throughout the world.

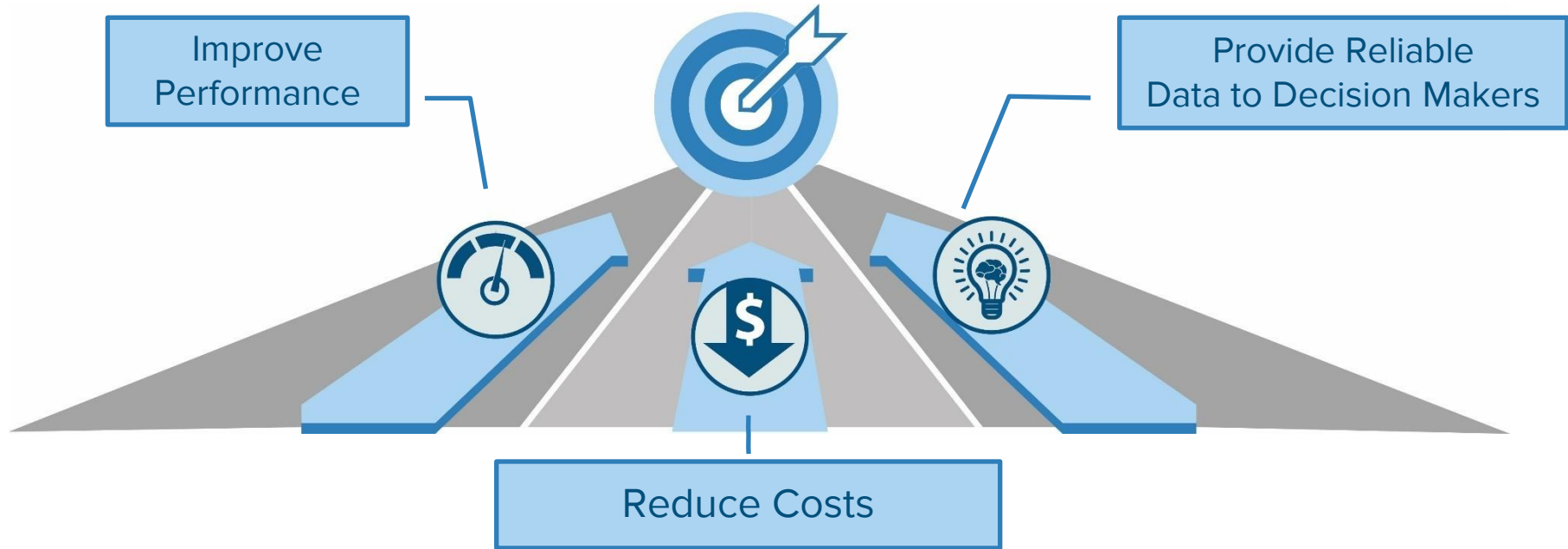
#### A global industry leader

- Annual sales of US\$14.13billion
- One of the leading cement manufacturers in the world
- World's leading supplier of ready-mix concrete, and one of the world's largest suppliers of aggregates
- One of the world's top traders of cement and clinker

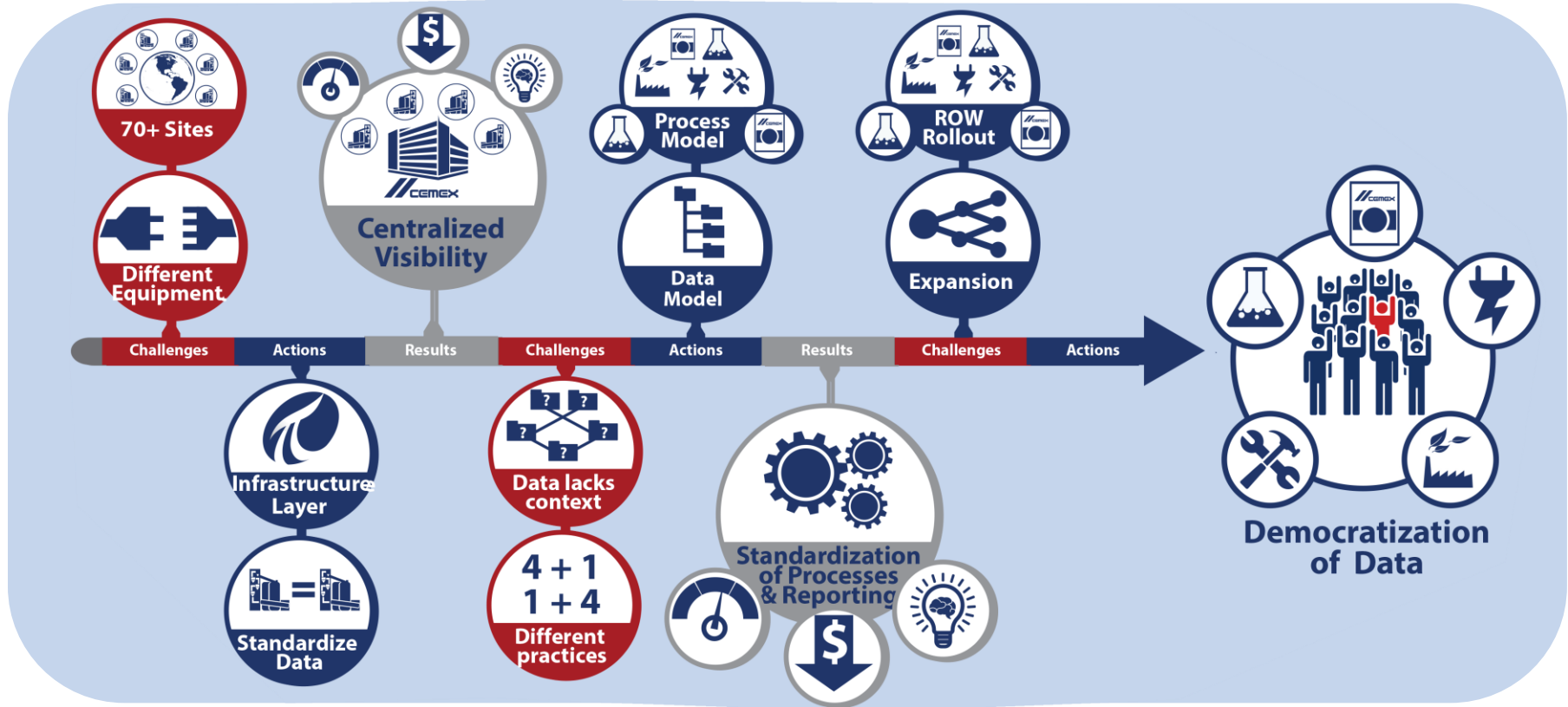


\* Production Capacity    \*\* Annual Production Levels

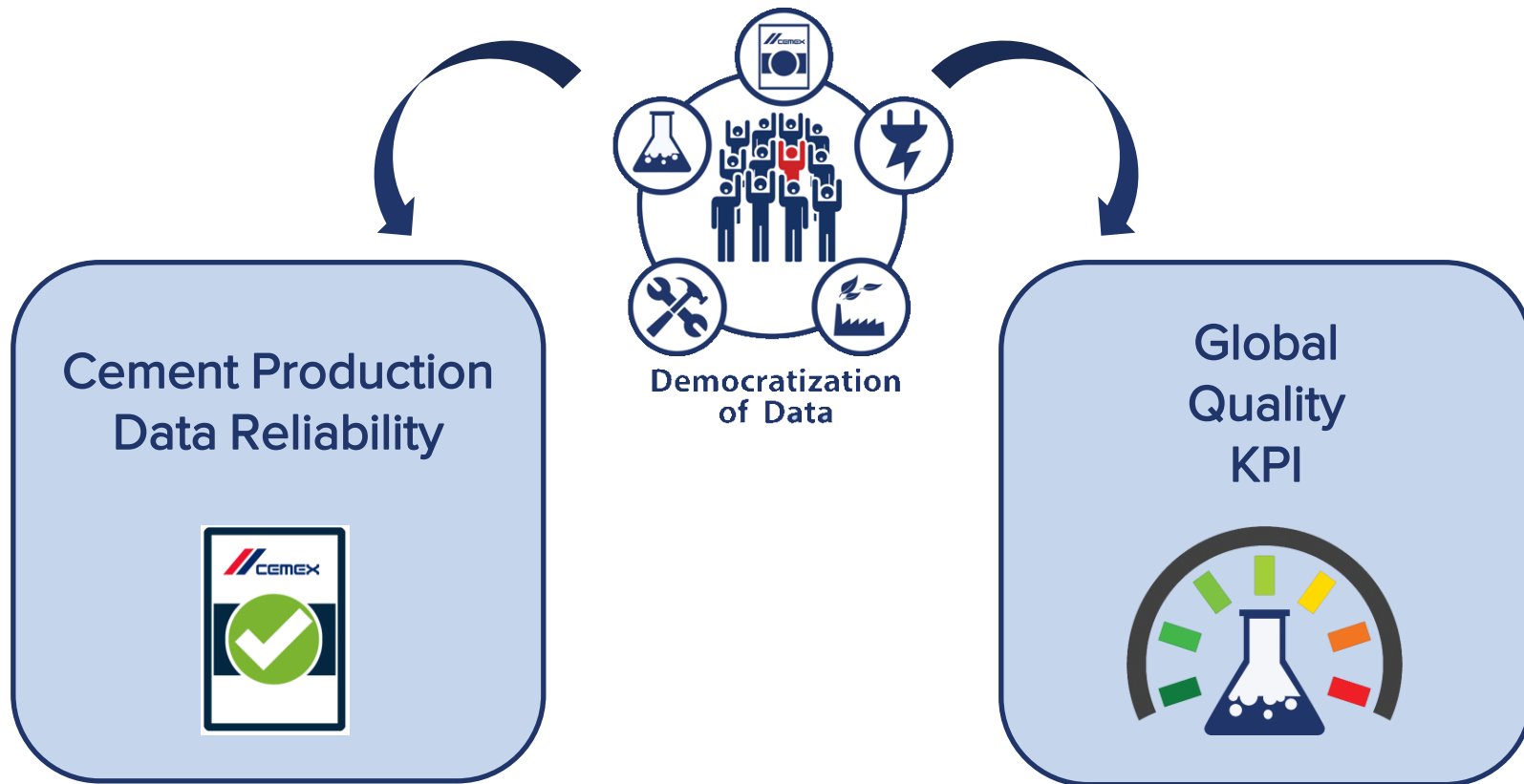
# I Operations Performance Goals



# | Journey to Operational Intelligence

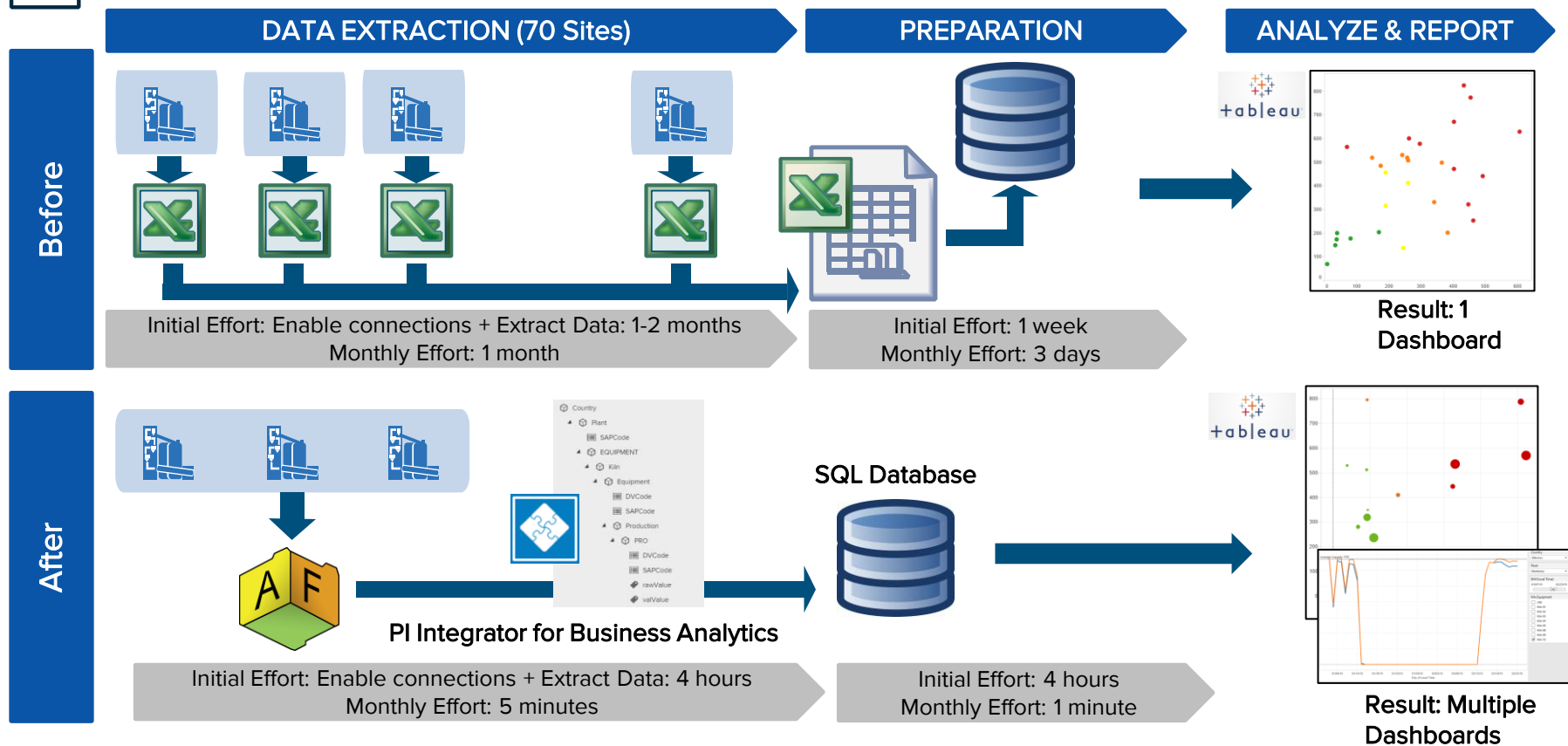


# PI Integrator for BA - Applications





# Cement Production Data Reliability



# Making data extraction for Business Analytics simple

A typical data extraction initiative can take upwards of a **month** (or 744 hours) to complete for 70 sites

Leveraging the...

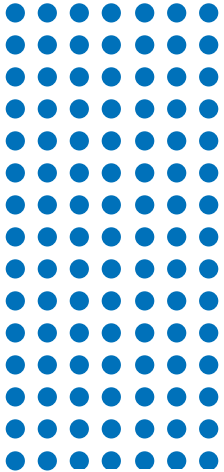


The PI Integrator for Business Analytics reduces this down to **5 minutes**



# Less time preparing data, more time analyzing data

It typically takes upwards of **3 days** to prepare data for business analytics tools



The PI Integrator for Business Analytics reduces this down to **1 minute**



Leveraging the...

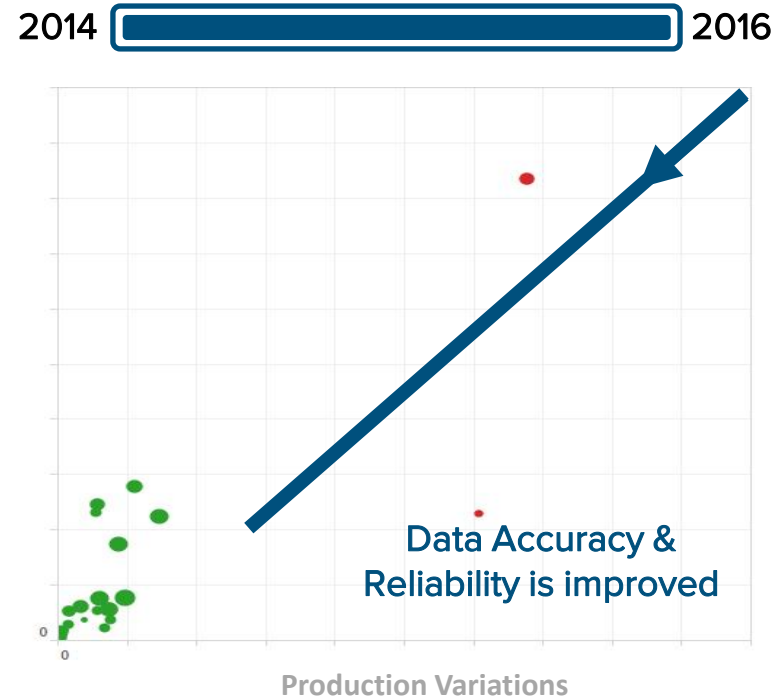


# PI Integrator for BA - Turn Data Into Insight

- PI Integrator for Business Analytics consolidates disperse data fast and easily, enabling new insights.

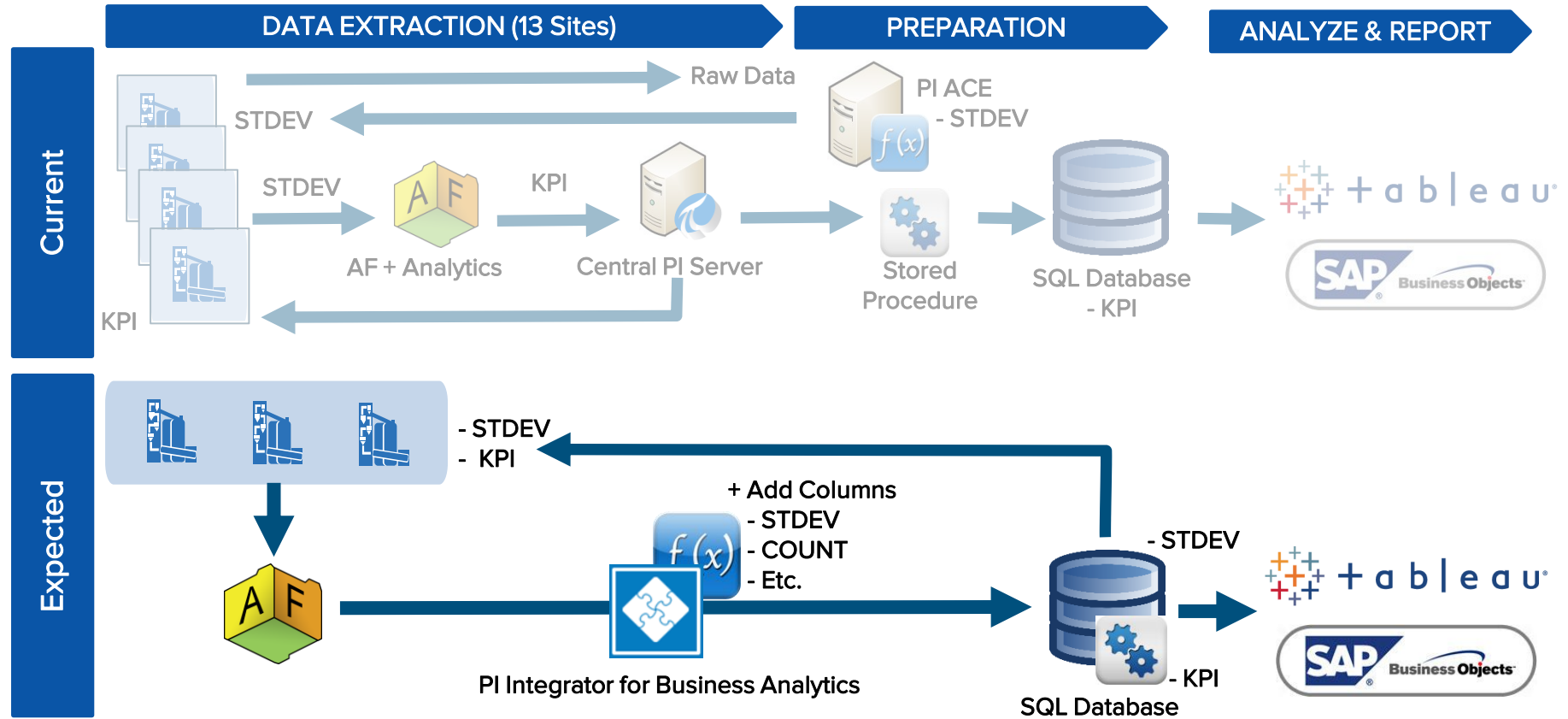
## Using PI Integrator for BA:

- Allowed to analyze 2+ years data **in minutes**.
- This would not have been possible applying the traditional approach.
- Simple way** to obtain operational data.
- Extract the **value from data**.

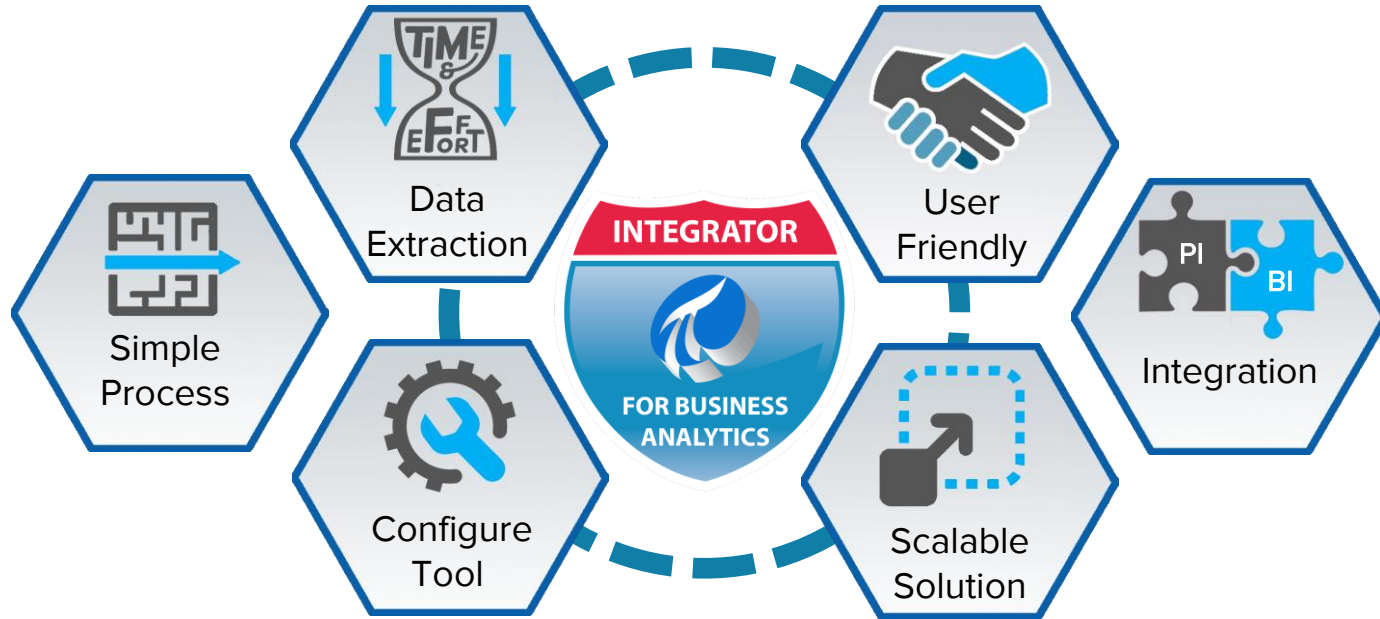




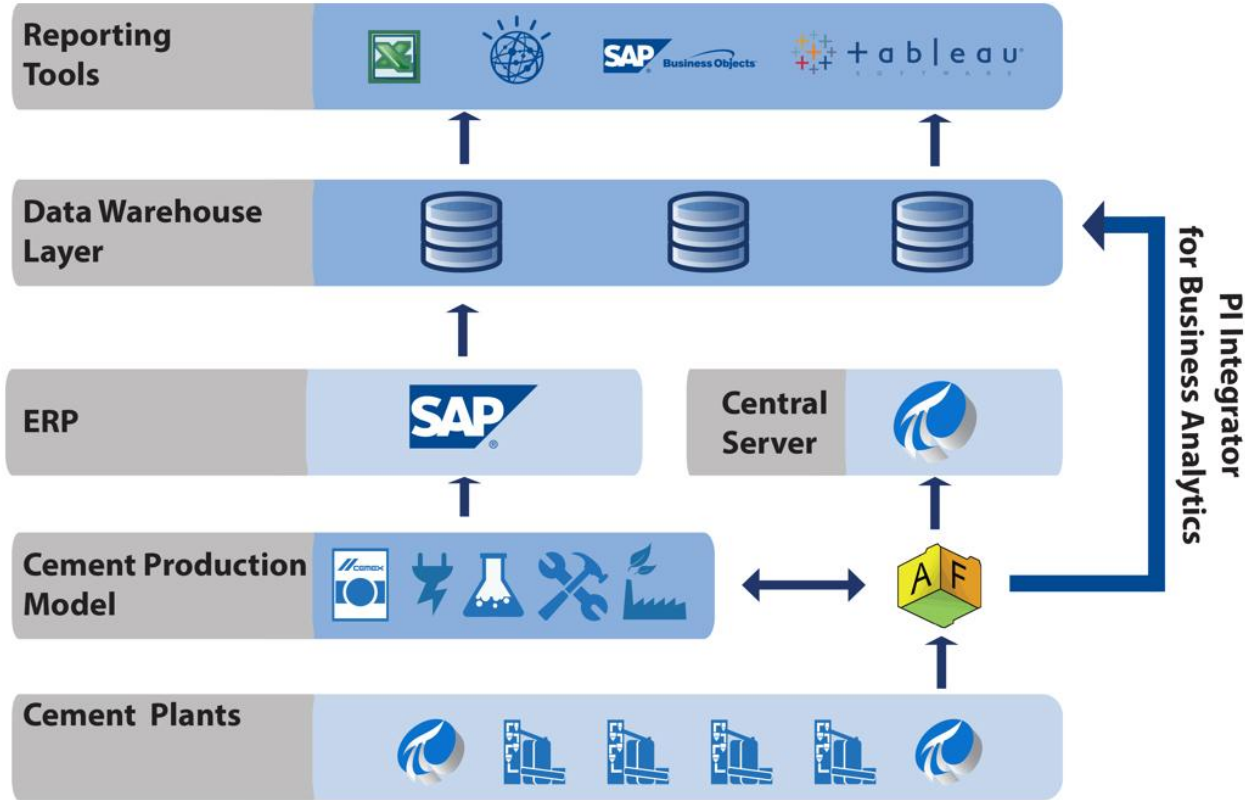
# Global Quality KPI



# PI Integrator for BA - Key Benefits



# CEMEX | Architecture



AN INFORMATION  
HIGHWAY FROM THE PI  
SYSTEM TO BI

# | Hands-on Experience

## Process

- ↓ Time spent prepping data
- ↑ Information into insights
- ↑ Continuous improvements

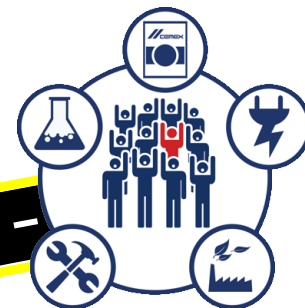


## Tools

- Intuitive/user friendly tool
- Dynamic reports in any BI tool
- Out-of-the box

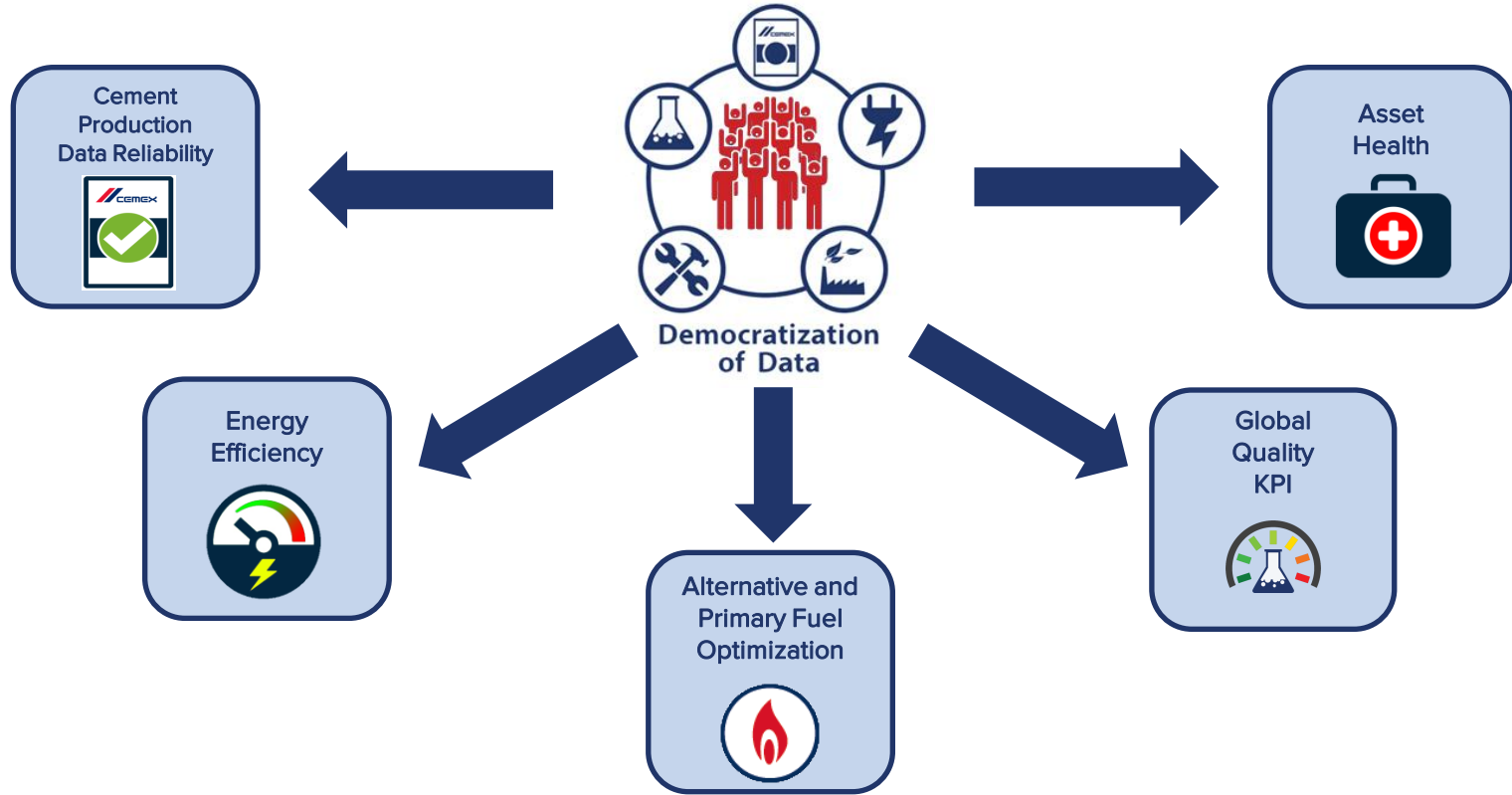
## People

- ↑ New conversations across the company
- ↓ Complexity to access information
- ↑ Time spent on value added activities



Democratization  
of Data

# PI Integrator for BA - Path to Information





Merci

Danke

谢谢

Gracias

Thank You

ありがとう

Obrigado

• Děkují



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