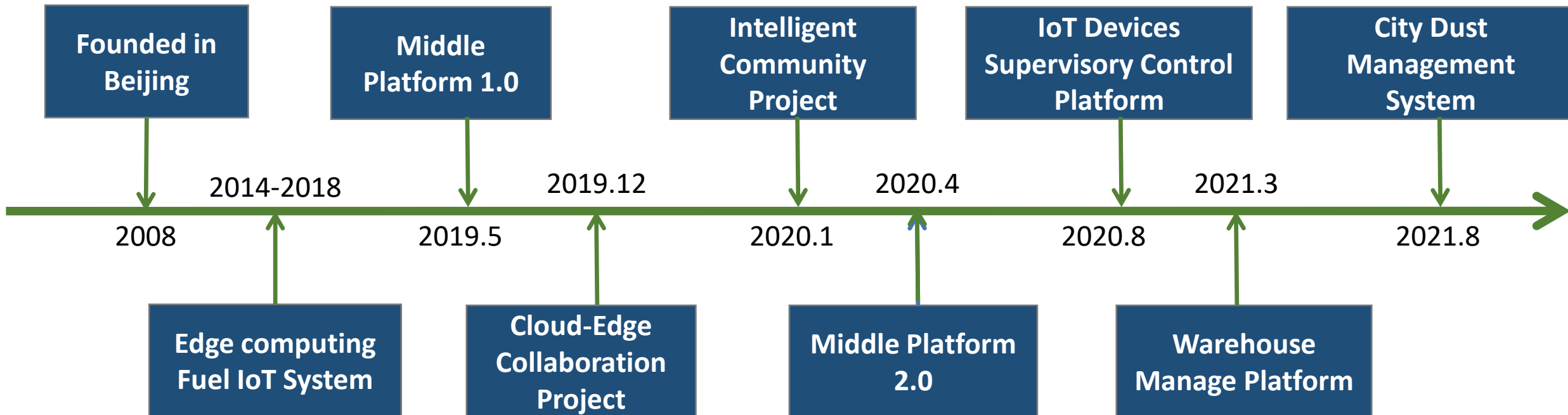

How does data redefine business models

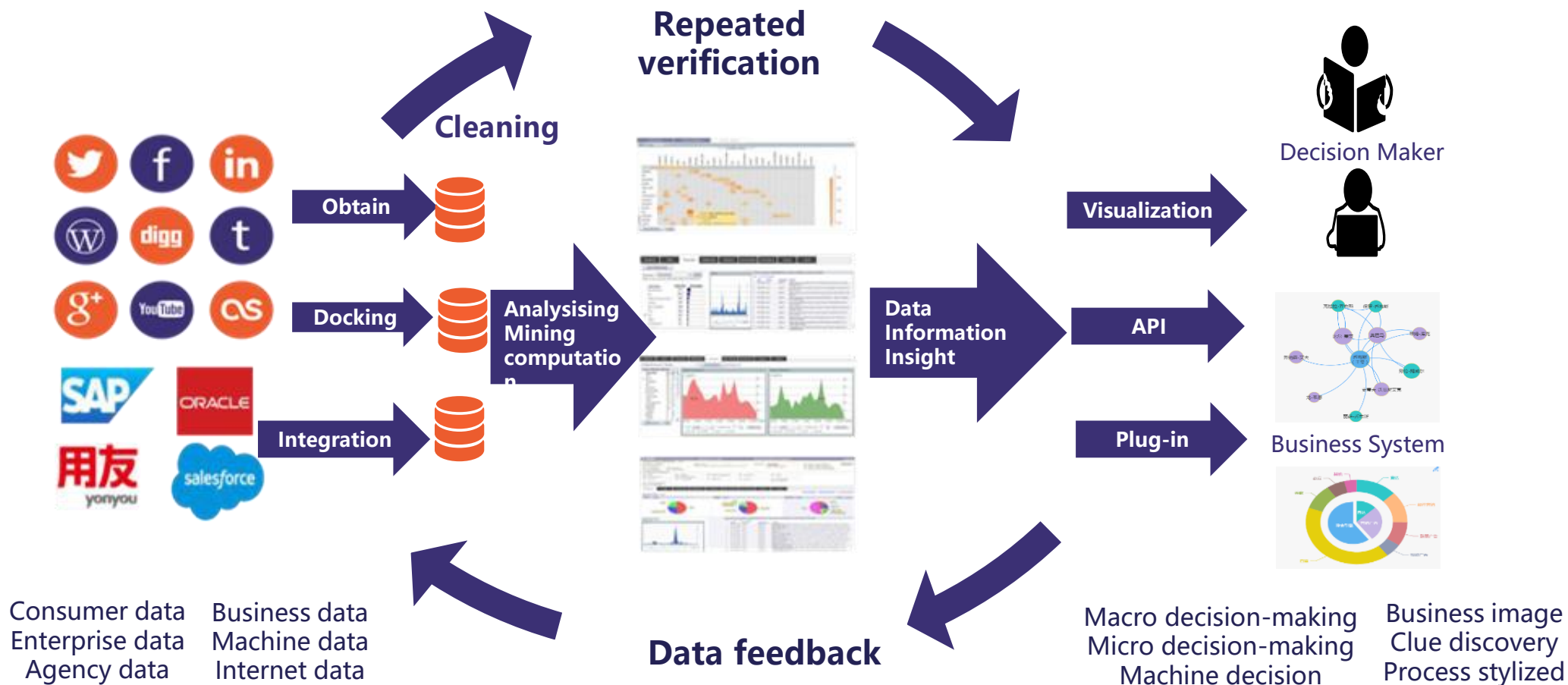
EDGE COMPUTING+MIDDLE PLATFORM

Bryea Technology

bryea 博易 Company Profile

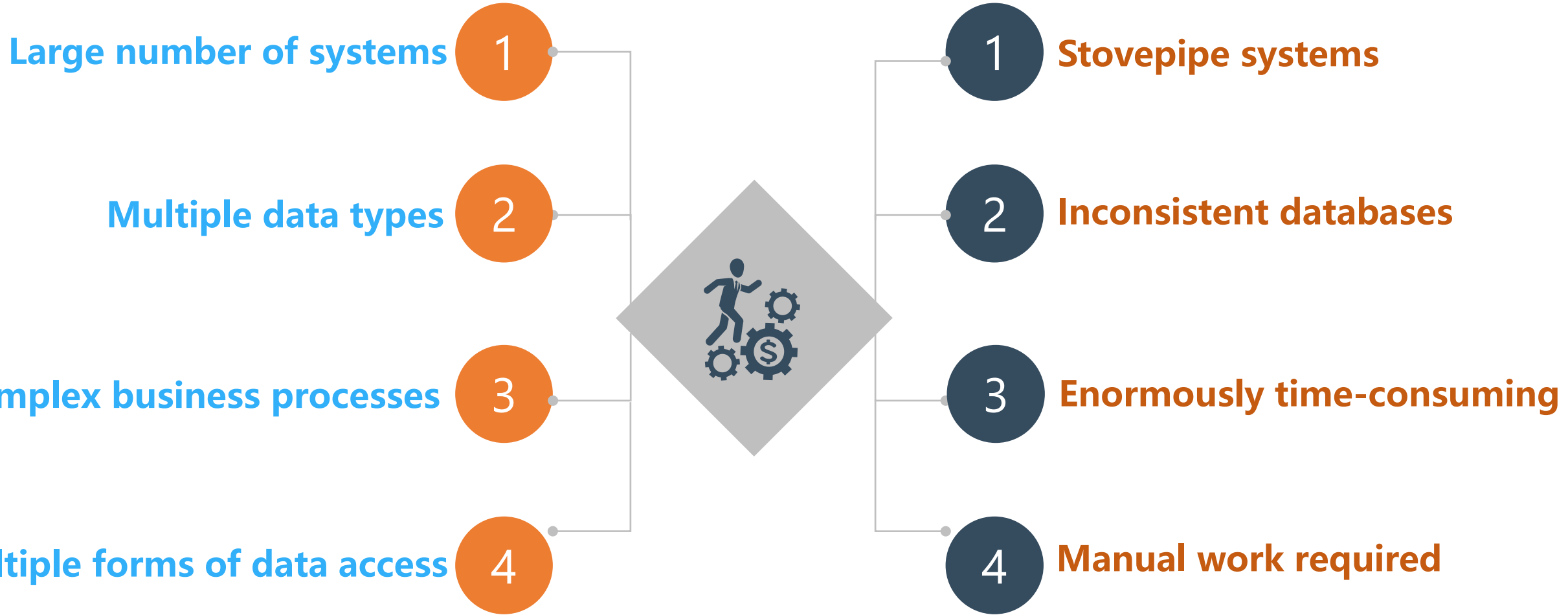


How to define a Data-driven business model



**A idealized Date-driven business model:
All decisions are supported by data, and all effects are evaluated by data**

Realities and Challenges



Another challenge—Data ownership

Whether data sharing violates management rules?

Whether data ownership limits data collection?



Whether data caching breaks data access authorization?

How to determine data access scope?

KEY POINT: Ownership and authorization of the original data should not be destroyed, and risks should not be brought to the data owners and users

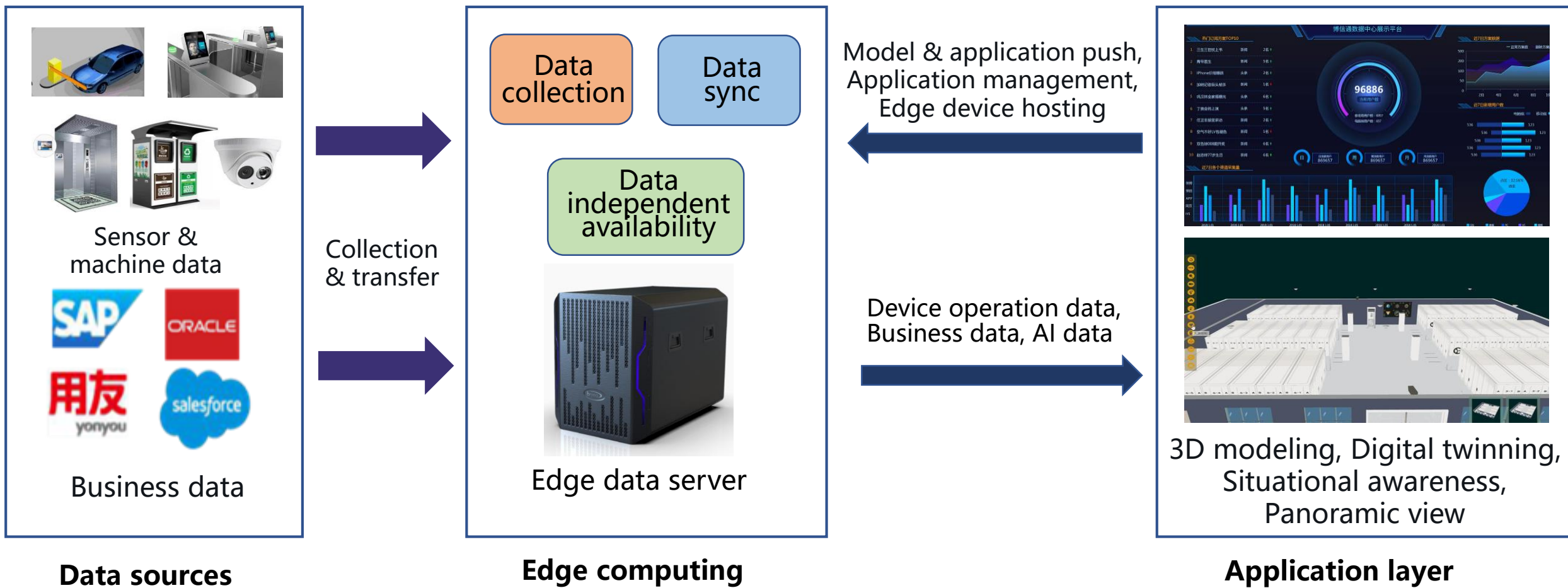
Edge Computing

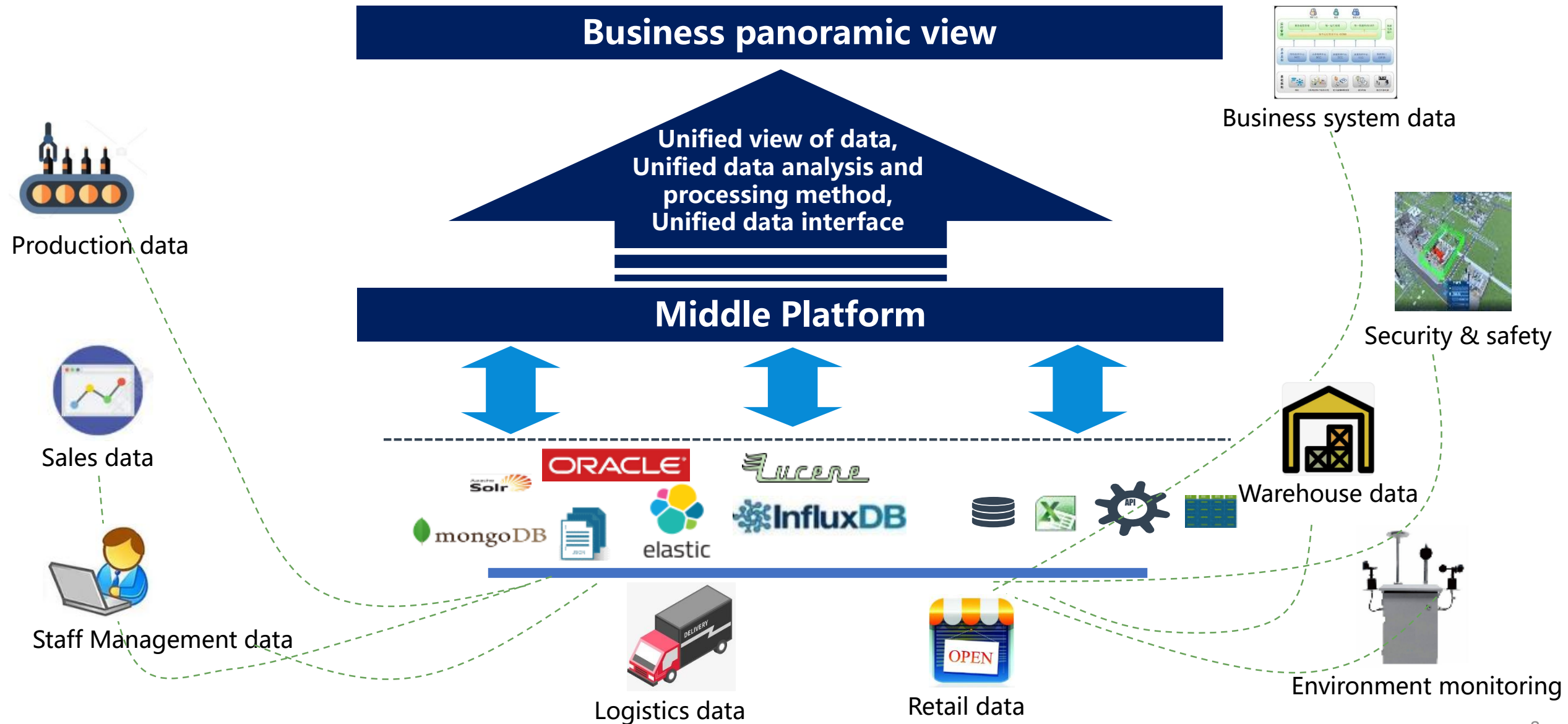


Middle Platform

Complex data computing, computing power
and algorithm support, massive data storage,
heterogeneous data fusion

bryea 博易 Edge Computing

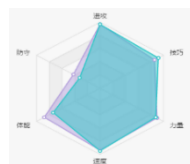




bryea 博易 Role-driven data value discovery

Multiple applications
Multiple value

Application layer



Maintenance Support



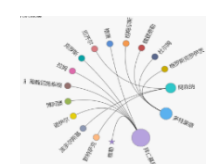
Capability Analysis



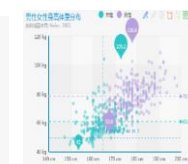
Statistic Analysis



Situation Awareness



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Decision Support

Variety of forms

Presentation layer



Mobile



Desktop



Web



Screen Display

Multiple algorithms

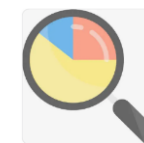
Analysis layer



Real-time Computing



Data Analysis



Data Search



Data Mining

One data

Data layer



Data Support

Database/operating system/ERP/CRM

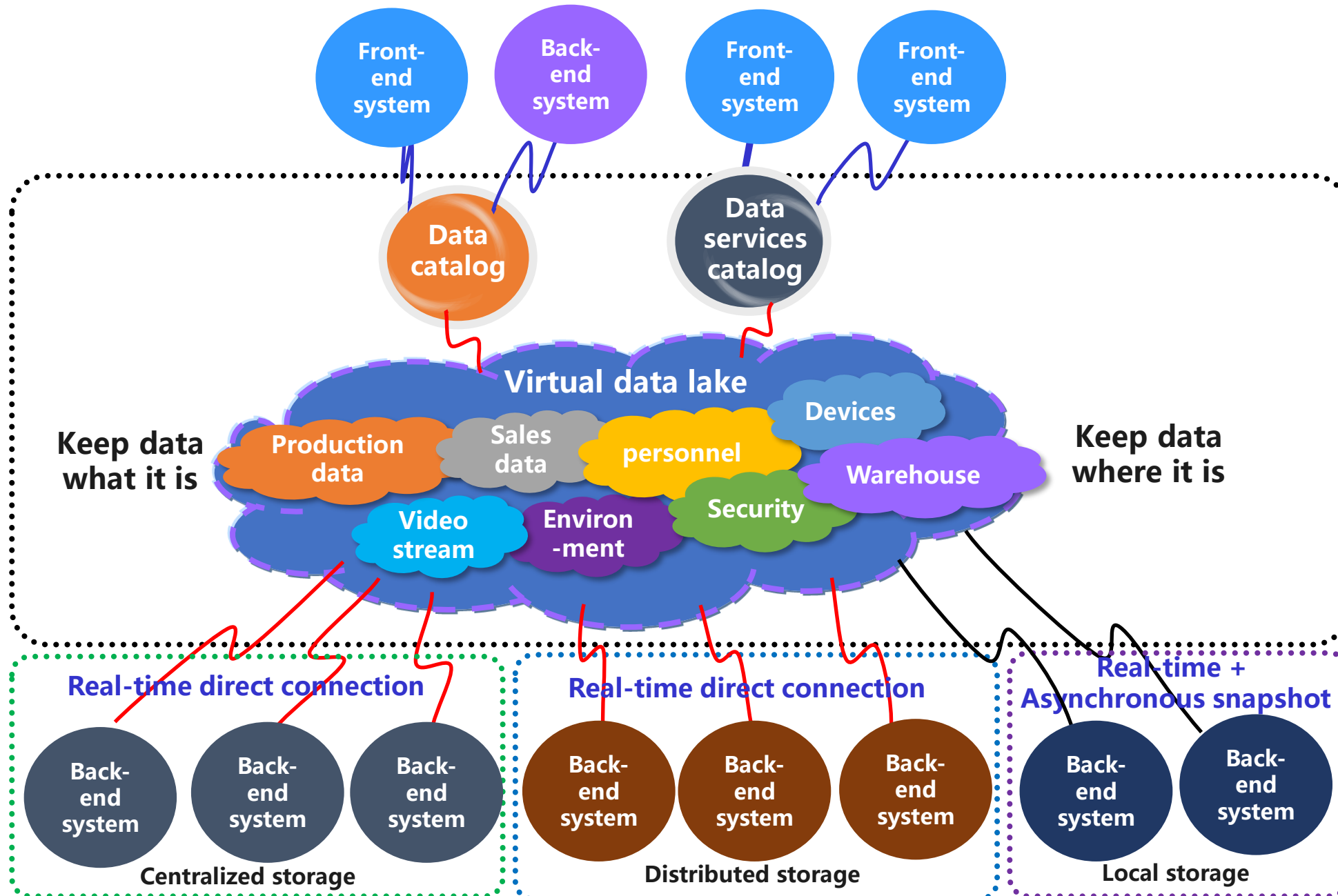
Server/Net work device

Camera/Sensor

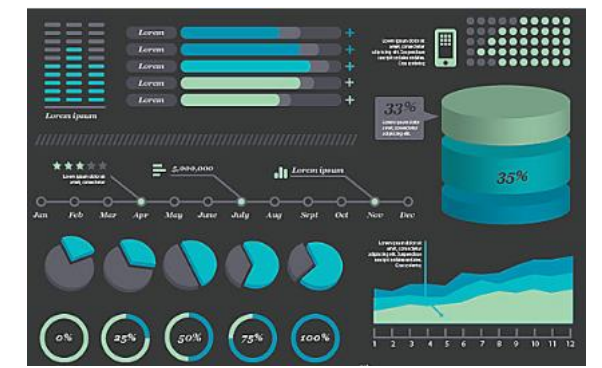
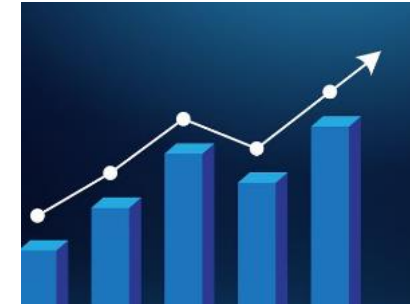
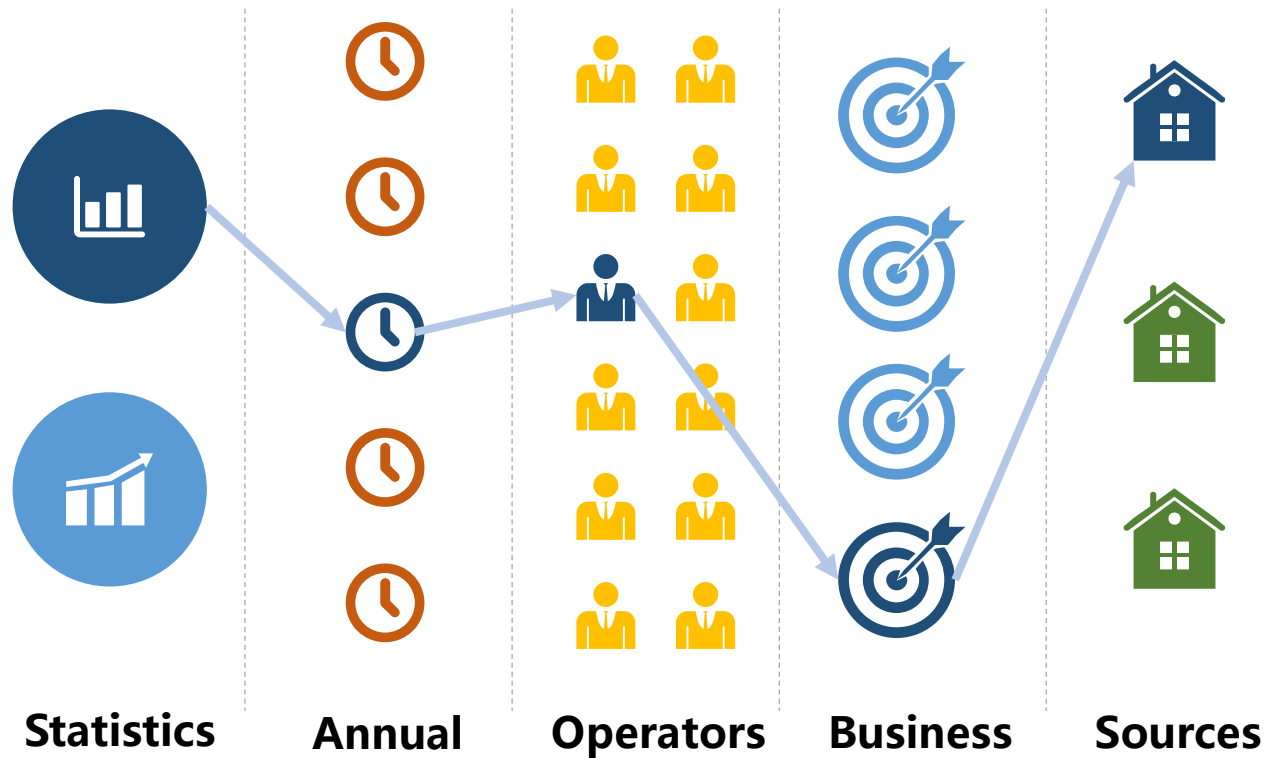
Mobile App/ Behavior data

BBS/Social media/Comments

Virtual data lake solves data ownership problems



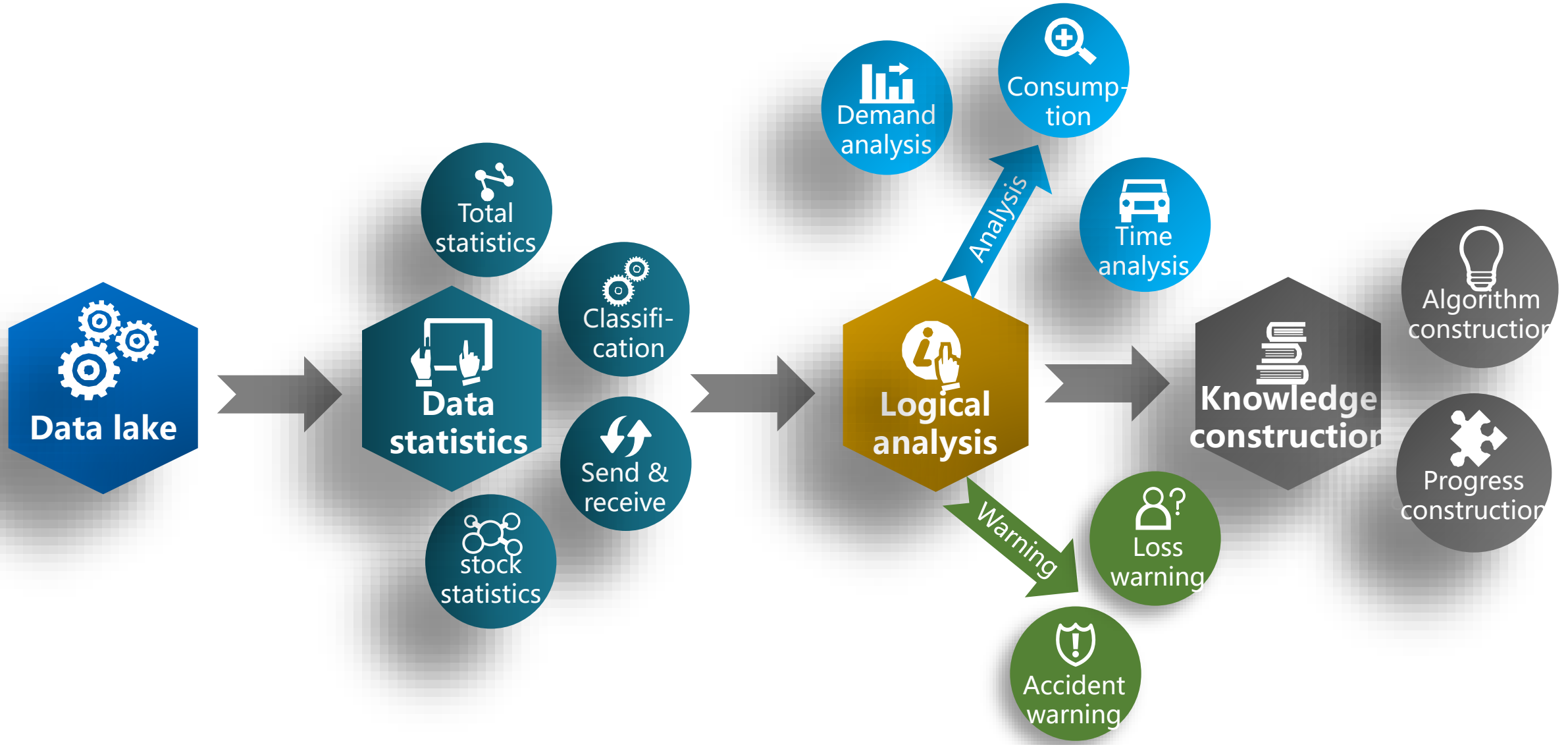
Explorable, conversational data visualization

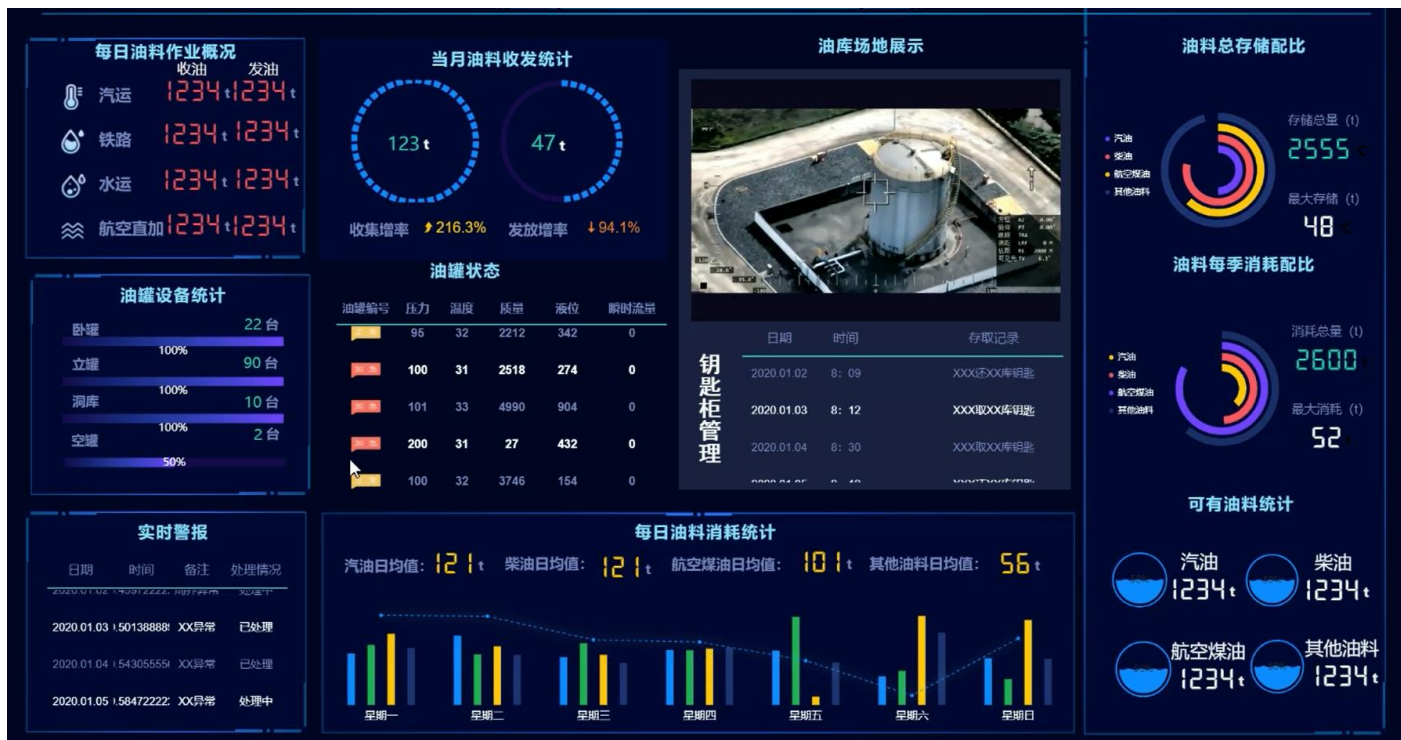


✔ Charts can be interacted with and data can be explored

✔ Quickly decrypt each phenomenon

✔ Any link of the results to the data source can be traced and verified





Text
Figure
Dynamic result set function

Various shapes
Single diagram element
Vector diagram
Bitmap

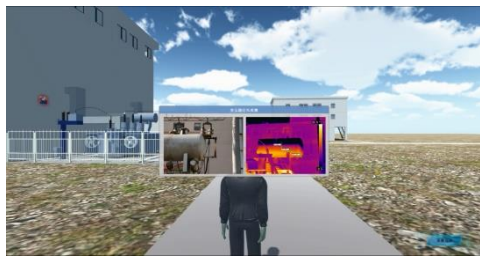
Combination
Compact splicing
On demand grouping

Repeat
Linear repeat
Arc repeat

Dynamic properties
Attribute binding
dynamic data for visual elements

Conditional visualization
Dynamic data drives the selection of various preset visualizations

Panoramic visual modeling



Conduct 3D rehearsals for high-risk operations to identify risk points and improve safety levels.

Operation Preview



Inspection planning

Based on online monitoring, inspection robot, orbit camera and other hardware editing rule. The inspection process is recorded and can be viewed.



Fault simulation

The simulation process and results are displayed with 3D animation to assist in accident reenactment analysis.



Information visualization

Including: equipment and facilities state visualization, operation visualization, operation visualization



Skills training

The equipment model could be simulated and visually displayed by 3D animation.



Digital Twin



Thanks!
