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Cloud Business Intelligence A Solution For Smart Ports & Logistics

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AGENDA

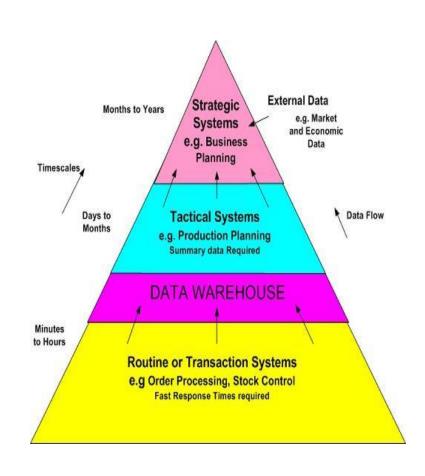
- Introduction
- **Business Intelligence (BI)**
 - مستودعات البيانات Data Warehousing
 - المعالجة التحليلية للبيانات OLAP
 - OData Mining التنقيب في البيانات
- Cloud Business Intelligence (CBI)
- الموانى الإلكترونية Smart Port
- Logistic Services الخدمات اللوجستية
- **Impact of Cloud Business Intelligence**
- Conclusion

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منظومات الأعمال الذكية What is BI

Business Intelligence
(BI) a category of
applications and
technology for gathering
, storing, analyzing and
provide access to data to
help users make better
business decision.



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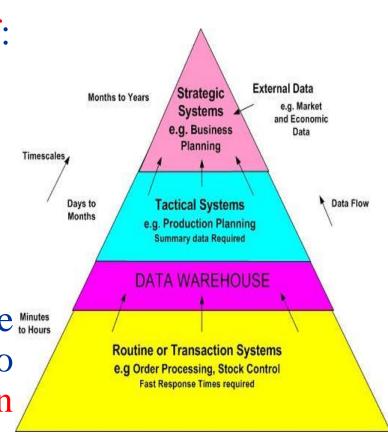


منظومات الأعمال الذكية What is BI

Business intelligence consists of:

Sourcing the data.

- Assessing the situation.
- Filtering out unimportant information.
- Developing solutions.
- Business intelligence is the ability of an organisation to understand and use information to its gainful operation.



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Why Business Intelligence (BI)

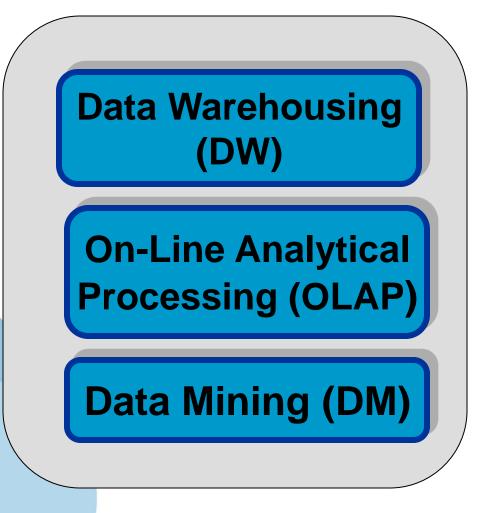
- Business process created mountains of data stored inside complex IT systems.
- Efficient analysis of these data is crucial for a success of any organization
- BI technology can collect and transform millions of records for comprehensive analysis every which way.
- BI support decision-making capabilities to attain and maintain a competitive advantage in today's turbulent market

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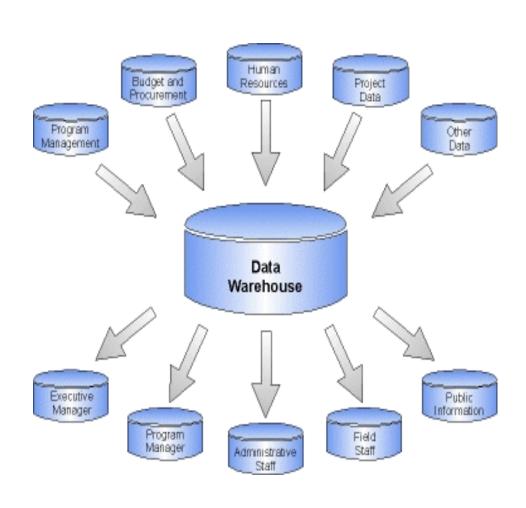
BI Technology



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مستودعات البيانات Data Warehouse

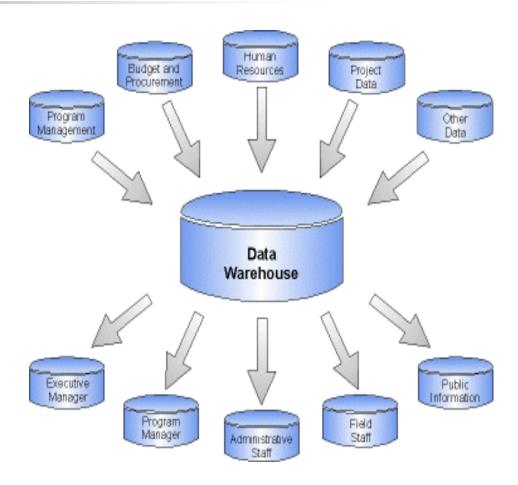
- Data warehousing is a database designed for query and analysis rather than for transaction processing.
- Contains historical data derived from transaction data.
- Include data from several sources.



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مستودعات البيانات Data Warehouse

- Benefits are most obvious in companies with several Computer platforms and versions and with many different data sources.
- DW reduce time to locate access and analyse information.

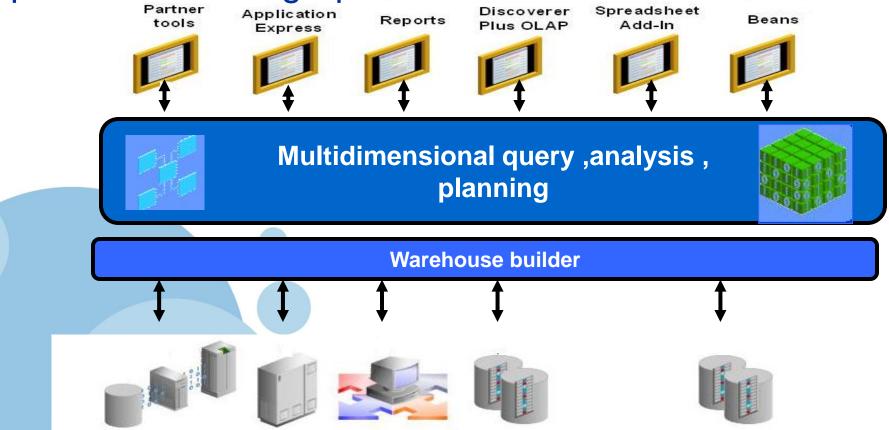


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المعالجة التحليلية OLAP Architecture

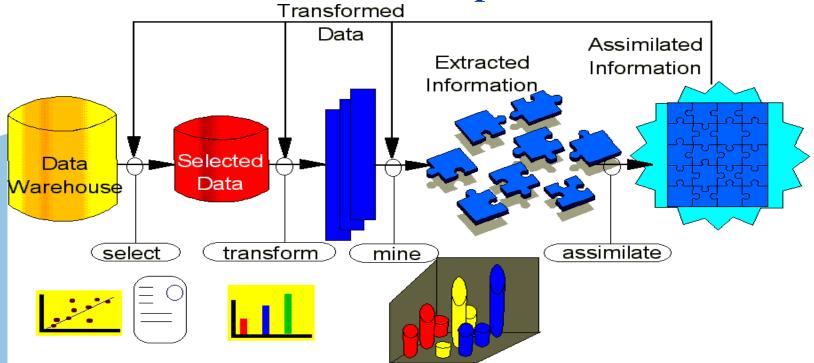
OLP tools are a combination of analytical processing procedures and graphical user interfaces.



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التنقيب في البيانات Data Mining

Data mining is a process of discovering new correlations, hidden patterns, and trends from large volume of data stored in repositories.



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Cloud Computing

- Cloud Computing may be defined as common, location-independent, online, utility that is available on demand.
- Thus, no matter where the client is geographically located, he can access the information in the cloud.
- The on demand feature means resources have to be dynamically allocated.

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Why Cloud Computing

- **Flexibility**
- Disaster recovery
- Automatic software updates
- Capital-expenditure Free
- Increased collaboration
- Work from anywhere
- **Document** control
- > Security
- Environmentally friendly



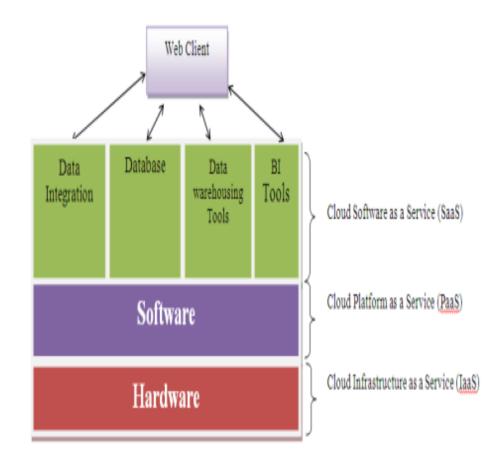
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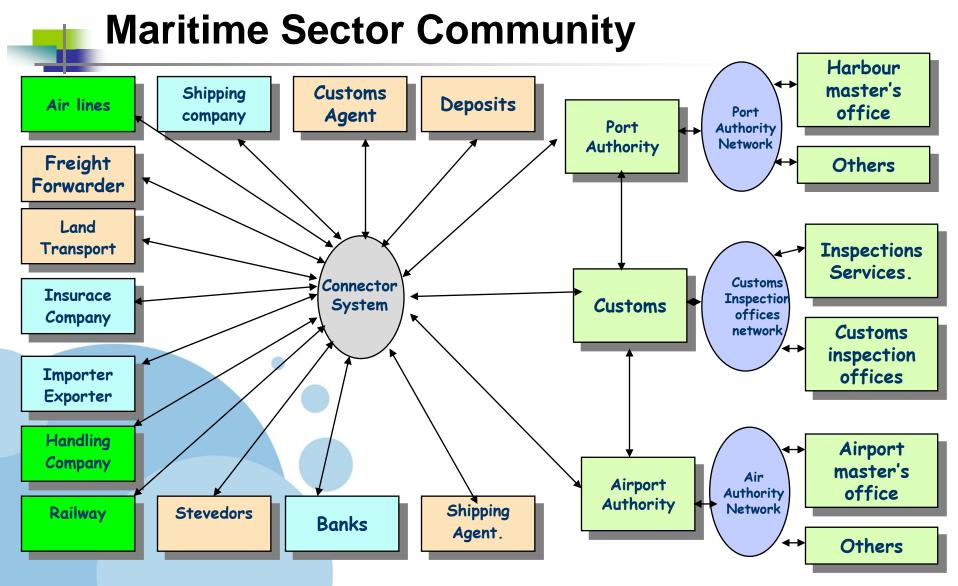
Cloud Business Intelligence

Cloud BI is revolutionary concept of delivering business intelligence capabilities as service using cloud based architecture that comes at a lower cost, faster deployment & flexibility.



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Smart Port

- Smart Port: To get the most out, the following components must be included:
 - نظام النافذة الواحدة الإلكتروني Port Community Single Window System
 - Port E-Marketing System
 - **Commerce Systems**
 - **O Process Control E-Surveillance**
 - O Archiving System

نظام تسويق الإلكتروني بالميناء

نظم الشراء في ظل التجارة الإلكترونية

التحكم عن طريق الرقابة الالكترونية

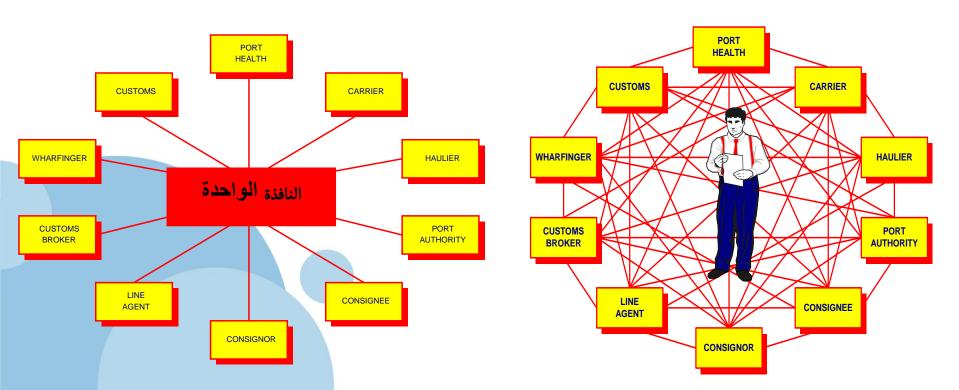
نظام حفظ وإدارة الوثائق

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Single Window System

Port Community Single Window System

نظام النافذة الواحدة الإلكتروني

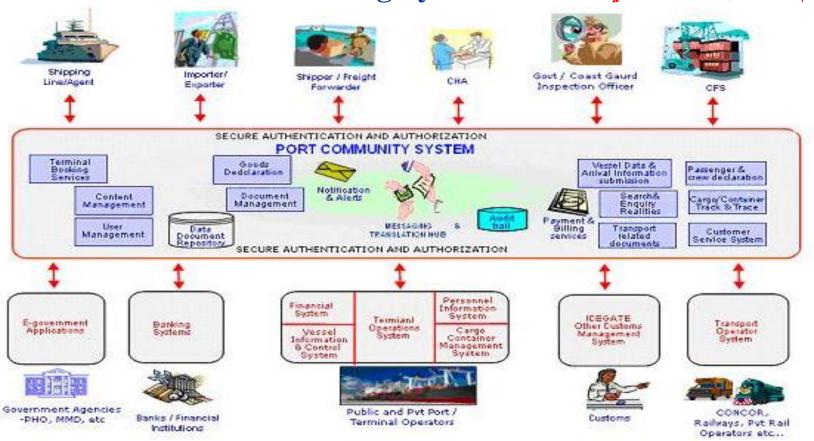


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E-Marketing System

نظام تسويق الإلكتروني بالميناء Port Electronic Marketing System



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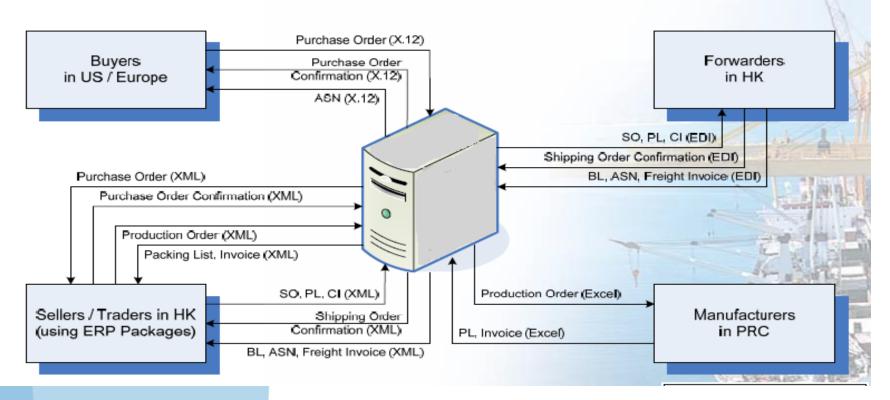


E-Commerce System

E-Commerce Systems

نظم الشراء في ظل التجارة الإلكترونية

Documents Flow in a Procurement Process



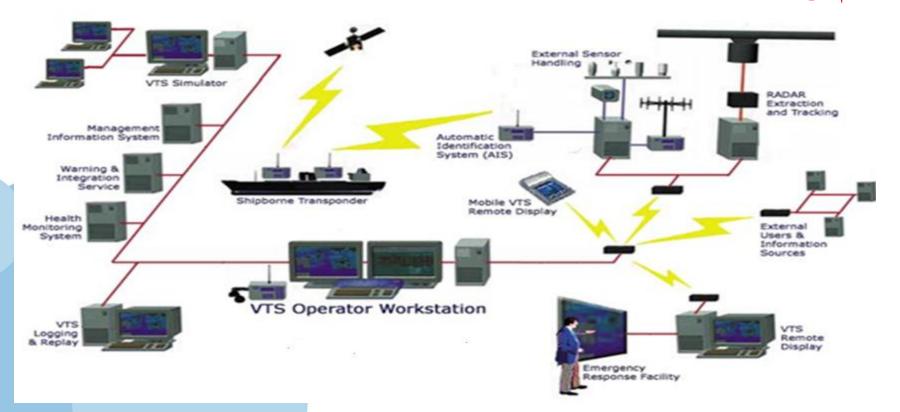
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E-Surveillance

Process Control E-Surveillance

التحكم في العمليات عن طريق الرقابة الالكترونية

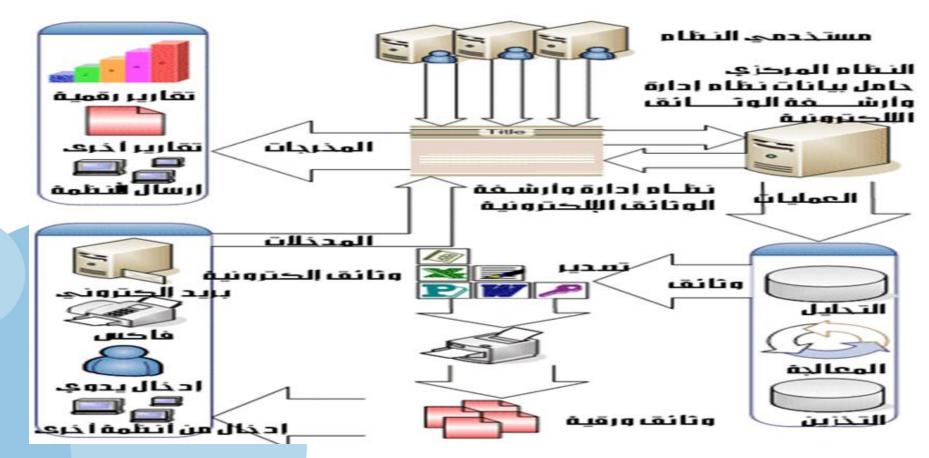


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Archiving System

نظام حفظ وإدارة الوثائق



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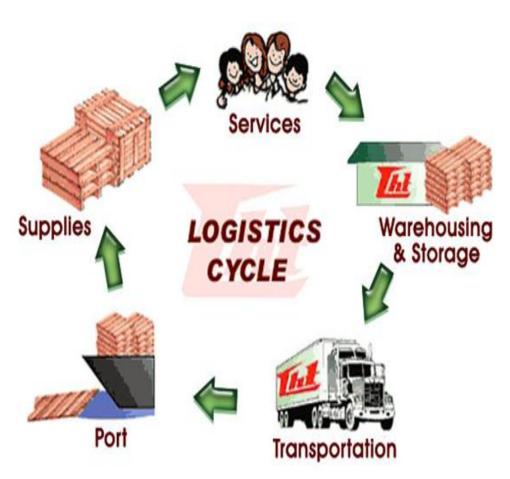
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E-Logistics Services



Services is a set of computer programs are used to provide supplies services to customers & business partners.



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Logistics is defined as the process of movement of materials and products into, through and out of a firm.

The Logistics Flow Chart

SUPPLIERS

SALES FUNCTION (SUPPLIER)

TRANSPORTATION

PURCHASING FUNCTION (DISTRIBUTOR)

PURCHASING FUNCTION (CUSTOMER)

TRANSPORTATION

SALES
FUNCTION
(DISTRIBUTOR)

WAREHOUSING

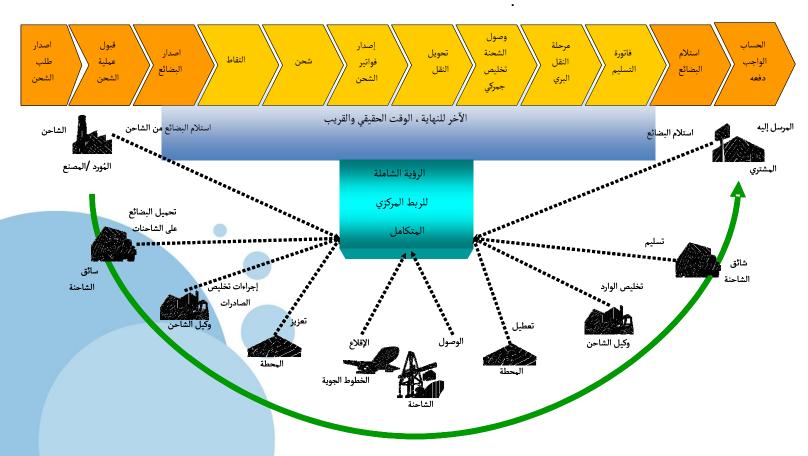
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E-Logistics Services

E-logistics Services Global Vision



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CBI Technology And Key Business Factors

- Key business factors (KBF) are measures or indicators that are significantly related to the business success of a particular industry.
- KBF contribute to the overall improvement of results and as such have to be closely and continuously monitored.
- Defining KBF requires specific knowledge and understanding of maritime sector's core business and services, behaviour and habits of its clients, the ways its services are being used.

CBI Technology And Key Business Factors

- Implementation of KBF monitoring requires CBI tools.
- CBI help users identify risk early and any material changes in business condition.
- CBI technology can collect and show data about each client, and service, and provide an aggregate panoramic view of business performance.

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Business Intelligence Role

- Logistics service providers and Smart Port require:
 - Stringent and standardized process management.
 - O Fine-tune and Better overview of all logistics processes.
 - O Fast evaluation of data for a real time overview.
 - Optimize and run the transportation chain more efficiently.
 - Accomplish the tracking of packages in real-time.
 - O Keep an ongoing record of the status of your parcels and deliveries.
 - O Provide your customers with on-time, reliable and efficient services.

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Impact of Cloud Business Intelligence

Smart Port use CBI to:

- Track the status of deliveries and goods in real-time.
- Adjust services accordingly
- Monitor the capacity utilization of your service fleet.
- Streamline the on-the-ground management of your vehicles.
- Facilitate maintenance-repair-overhaul (MRO) .

Logistics services providers use CBI to:

- Manage the supply chain through real-time analysis.
- Fully utilize warehouse capacity.
- Keep stock size workable.
- Enjoy seamless tracking of deliveries.
- Streamline the order-monitoring process.



Conclusion

- The term Cloud Business Intelligence refers to the process for increasing the competitive advantage of a business by intelligent use of available data in decision making.
- CBI support of the decision making process to augment competitiveness, making an efficient link between business strategies and IT systems.
- CBI achieves complex analysis of big data in no time providing a comprehensive review of business-critical performance to help maximize performance of company-critical processes.

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To prosper in Today's Complex Business Environments
To Face Business Environment Challenges

- Operational details Information i required.
 - Record & Sto Operations as processes

2

- Create Data warehouses.
- Manage Data w Intelligent Techniques.

3

Implement CBI
Technology
In All Operations
Level In The Future

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Thank You

