

Enterprise Systems

Pertemuan 8

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Automatic Data Processing (ADP)

- Pemrosesan Data Otomatis (ADP) adalah penyedia utama solusi outsourcing bisnis untuk administrasi penggajian untuk 610.000 organisasi di lebih dari 125 negara. Menggunakan sistem pemrosesan batch
- Palang Merah menggunakan platform CRM berbasis cloud. Palang Merah bahkan telah mengintegrasikan alat jejaring sosial ke dalam sistem CRM-nya, terhubung dengan relawan dan donor, untuk menyampaikan pembaruan bantuan bencana kepada publik, meminta bantuan keuangan dan sukarelawan, dan membantu orang terkena bencana berkomunikasi dengan keluarga dan teman.



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Kebutuhan Organisasi Modern

- Organisasi harus memiliki sistem informasi yang mendukung aktivitas rutin sehari-hari dan yang membantu perusahaan menambah nilai pada produk dan layanannya.
- Sebuah organisasi yang mengimplementasikan sistem perusahaan menciptakan seperangkat sistem yang sangat terintegrasi, yang dapat menghasilkan banyak keuntungan bisnis.



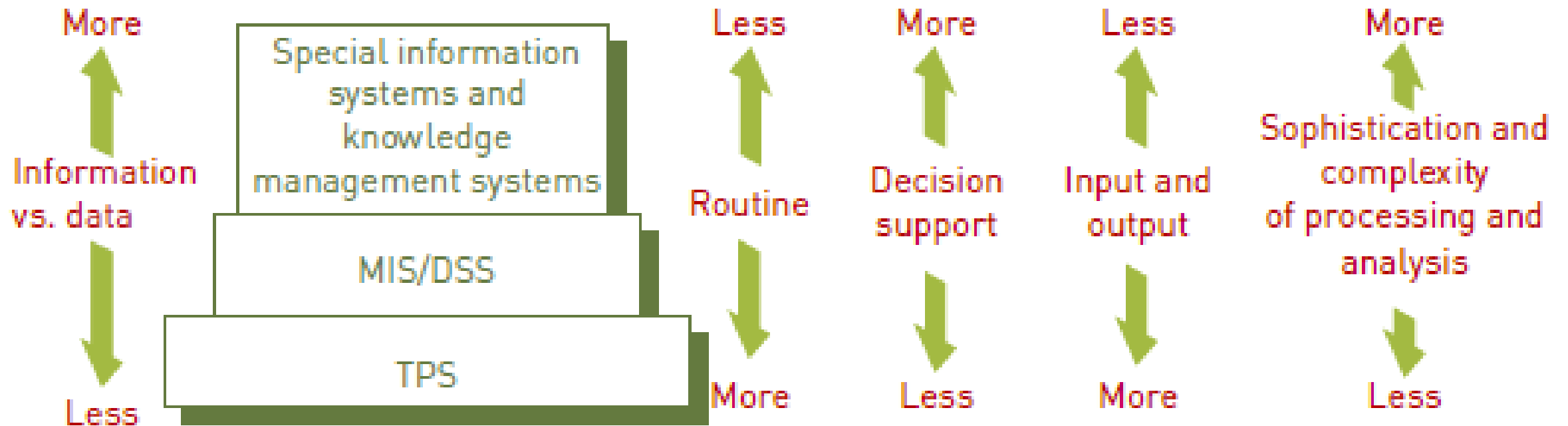
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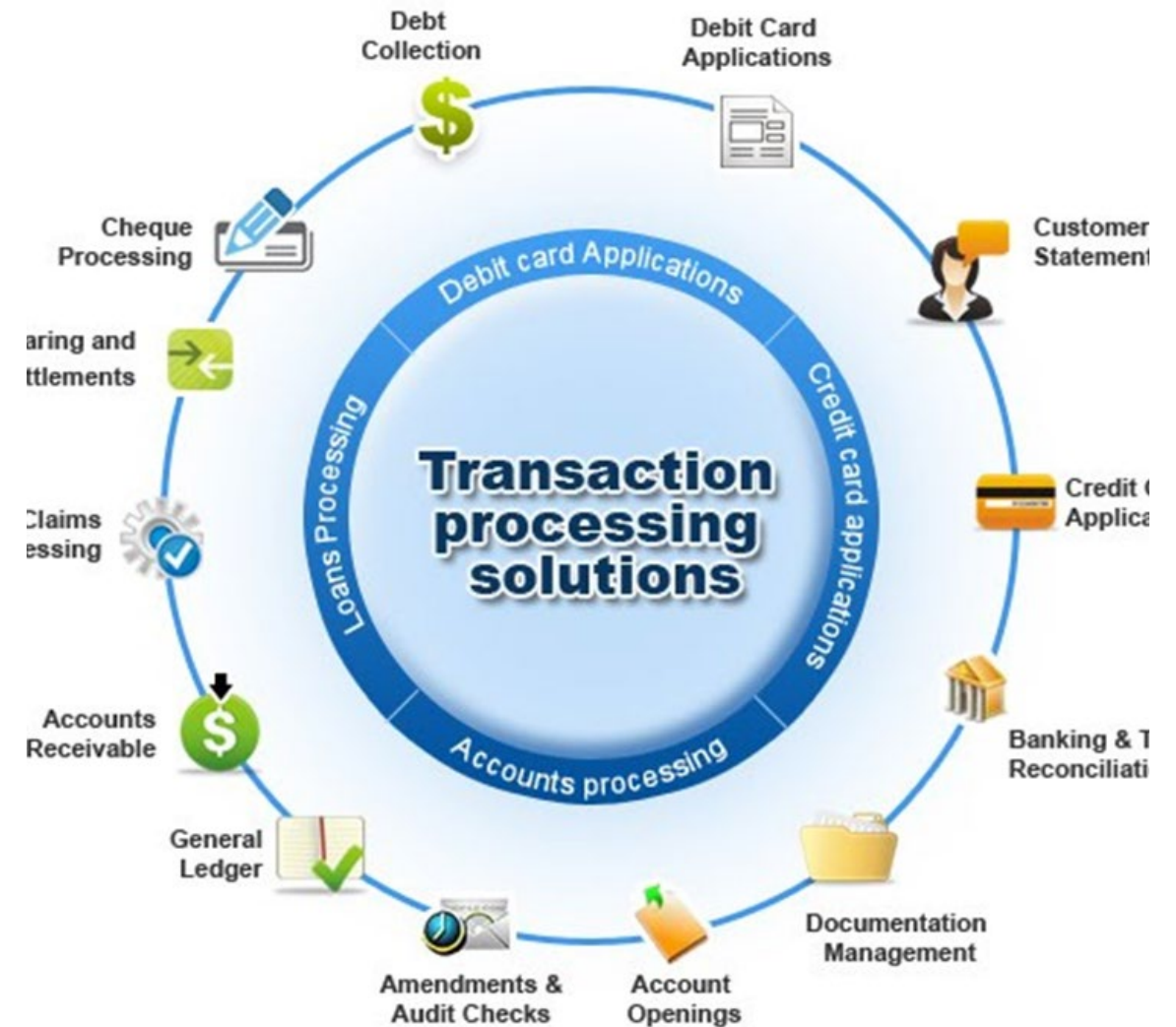
TPS, MIS/DSS,

- TPS, MIS/DSS, and special information systems in perspective A TPS provides valuable input to MIS, DSS, and KM systems.



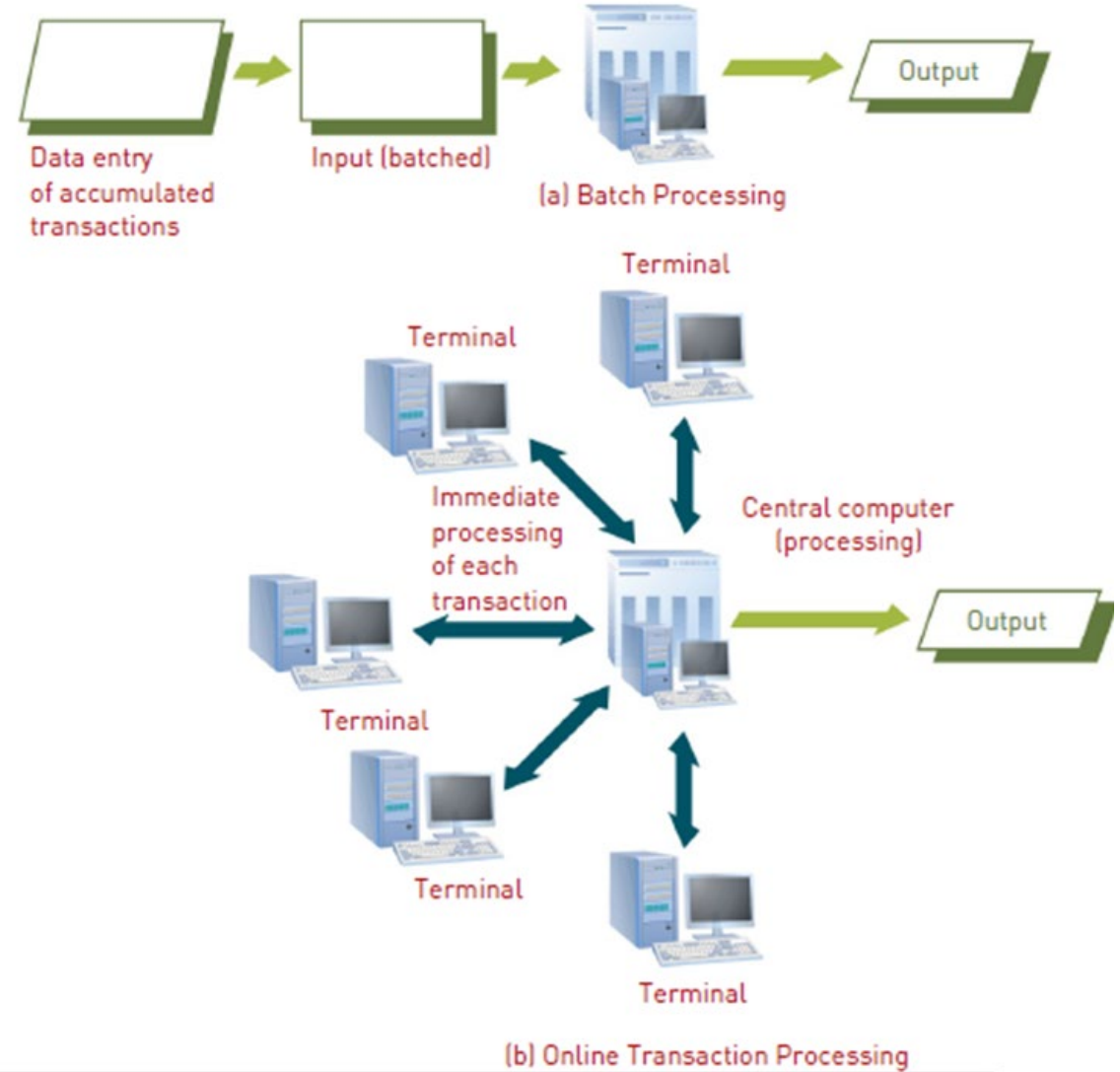
TPS

- A transaction process system (TPS) is an information processing system for business transactions involving the collection, modification and retrieval of all transaction data. Characteristics of a TPS include performance, reliability and consistency. TPS is also known as transaction processing or real-time processing.



Batch versus online transaction processing

- a) Batch processing inputs and processes data in groups.
- b) In online processing, transactions are completed as they occur.



Benefits of TPS

- Capture, process, and update databases of business data required to support routine business activities
- Ensure that the data is processed accurately and completely
- Avoid processing fraudulent transactions
- Produce timely user responses and reports
- Reduce clerical and other labor requirements
- Help improve customer service
- Achieve competitive advantage



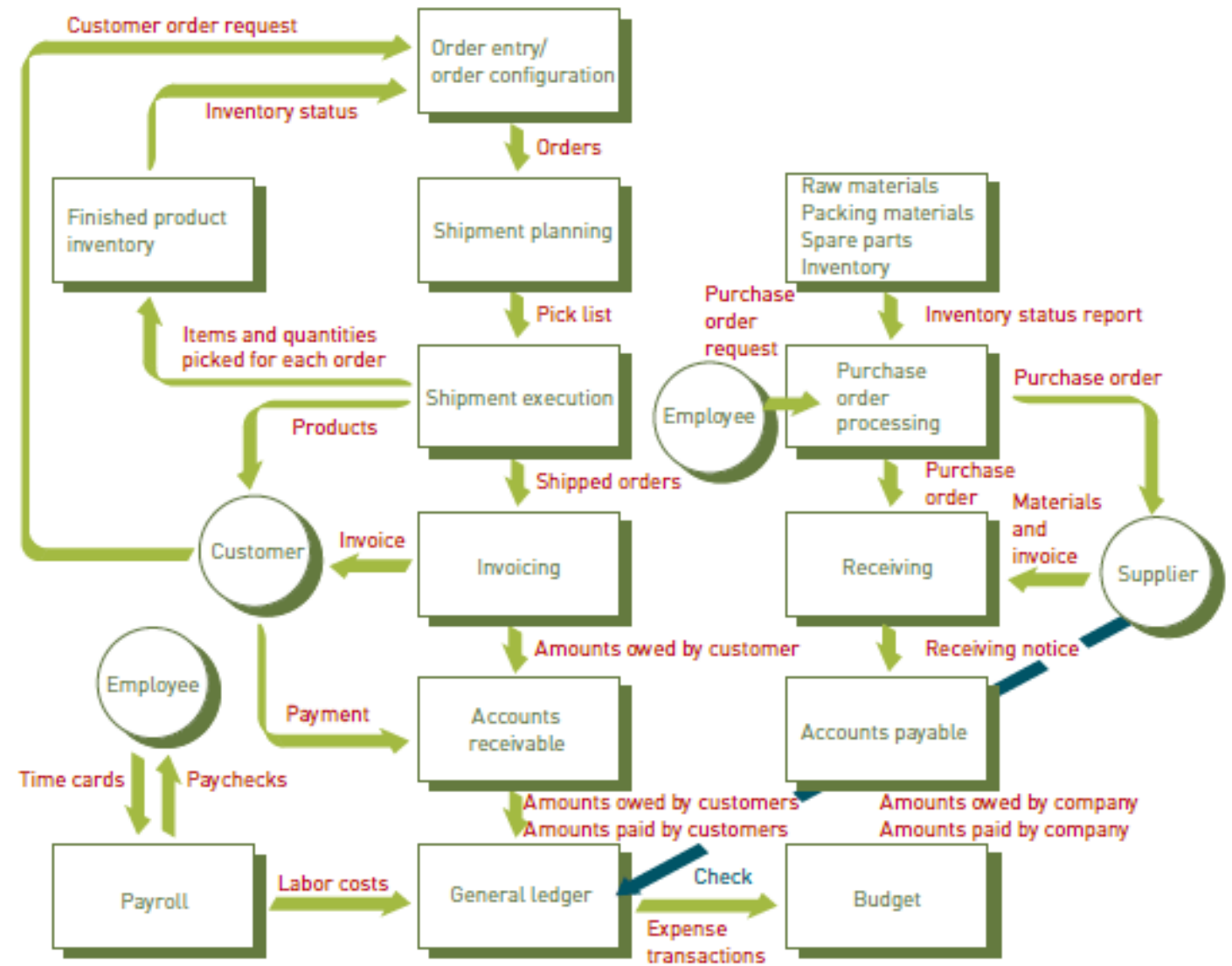
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Integration of a firm's TPS

- When transactions entered into one system are processed, they create new transactions that flow into another system.



Sample of integrated TPS solutions for SMEs

Vendor	Software	Type of TPS Offered	Target Customers
AccuFund	AccuFund	Financial reporting and accounting	Nonprofit, municipal, and government organizations
OpenPro	OpenPro	Complete ERP solution, including financials, supply chain management, e-commerce, customer relationship management, and retail POS system	Manufacturers, distributors, and retailers
Intuit	QuickBooks	Financial reporting and accounting	Manufacturers, professional services, contractors, nonprofits, and retailers
Sage	Sage 300 Construction and Real Estate	Financial reporting, accounting, and operations	Contractors, real estate developers, and residential builders
Redwing	TurningPoint	Financial reporting and accounting	Professional services, banks, and retailers



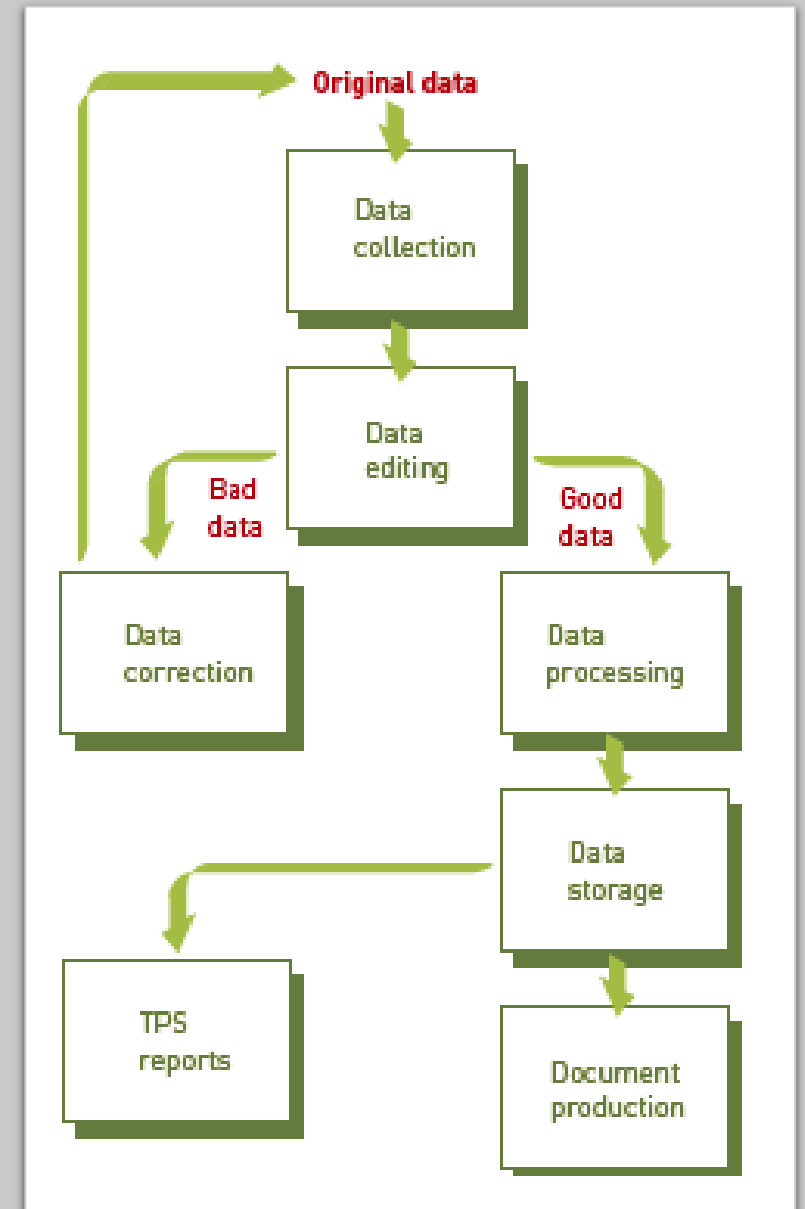
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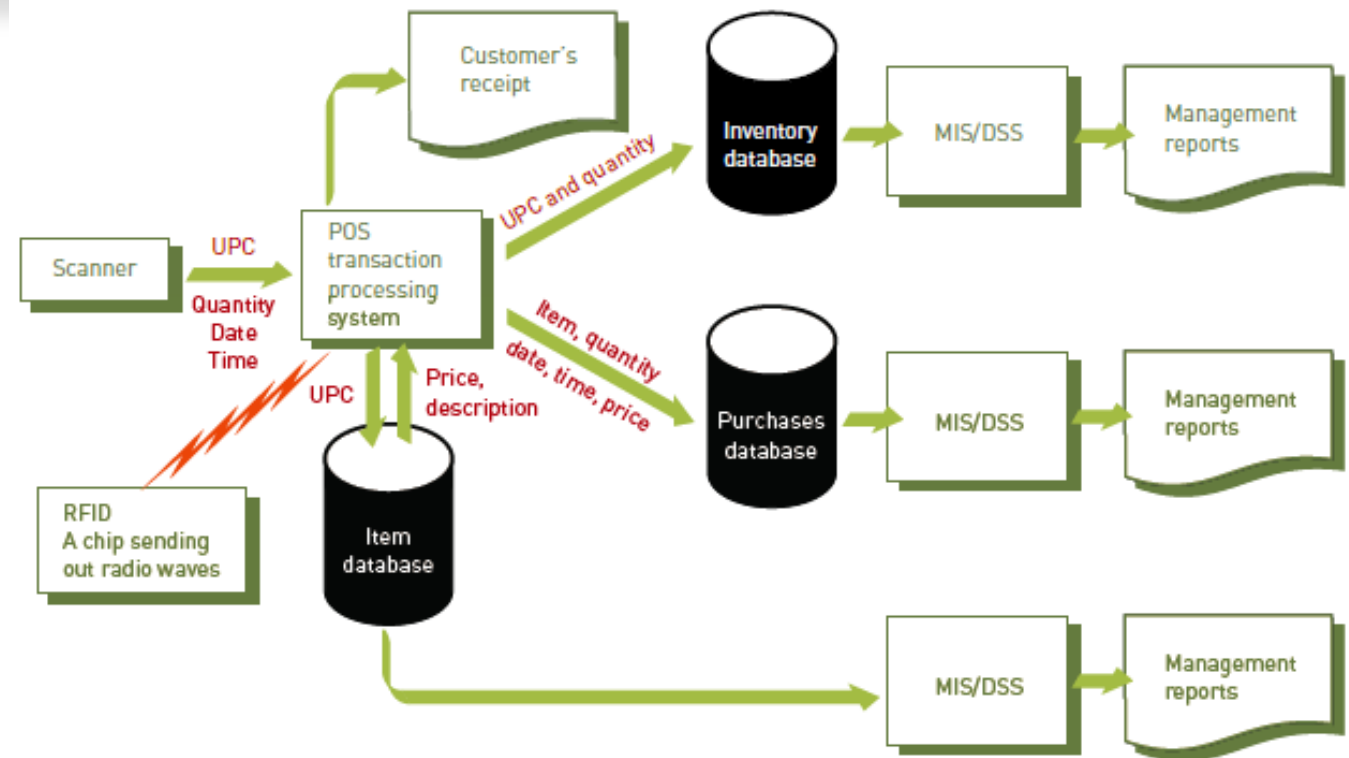
Transaction processing activities

A transaction processing cycle includes data collection, data editing, data correction, data processing, data storage, and document production.



Point-of-sale transaction processing system

- The purchase of items at the checkout stand updates a store's inventory database and its database of purchases.



TPS vs ERP

- ERP is an integrated TPS that facilitates the flow of information between the functional areas of a business, primarily provides an organization with an integrated suite of TPS functionality.



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Enterprise System

- Sistem yang menjadi pusat organisasi yang memastikan informasi dapat dibagikan dengan pengguna yang berwenang di semua fungsi bisnis dan di semua tingkat manajemen untuk mendukung jalannya dan pengelolaan bisnis..



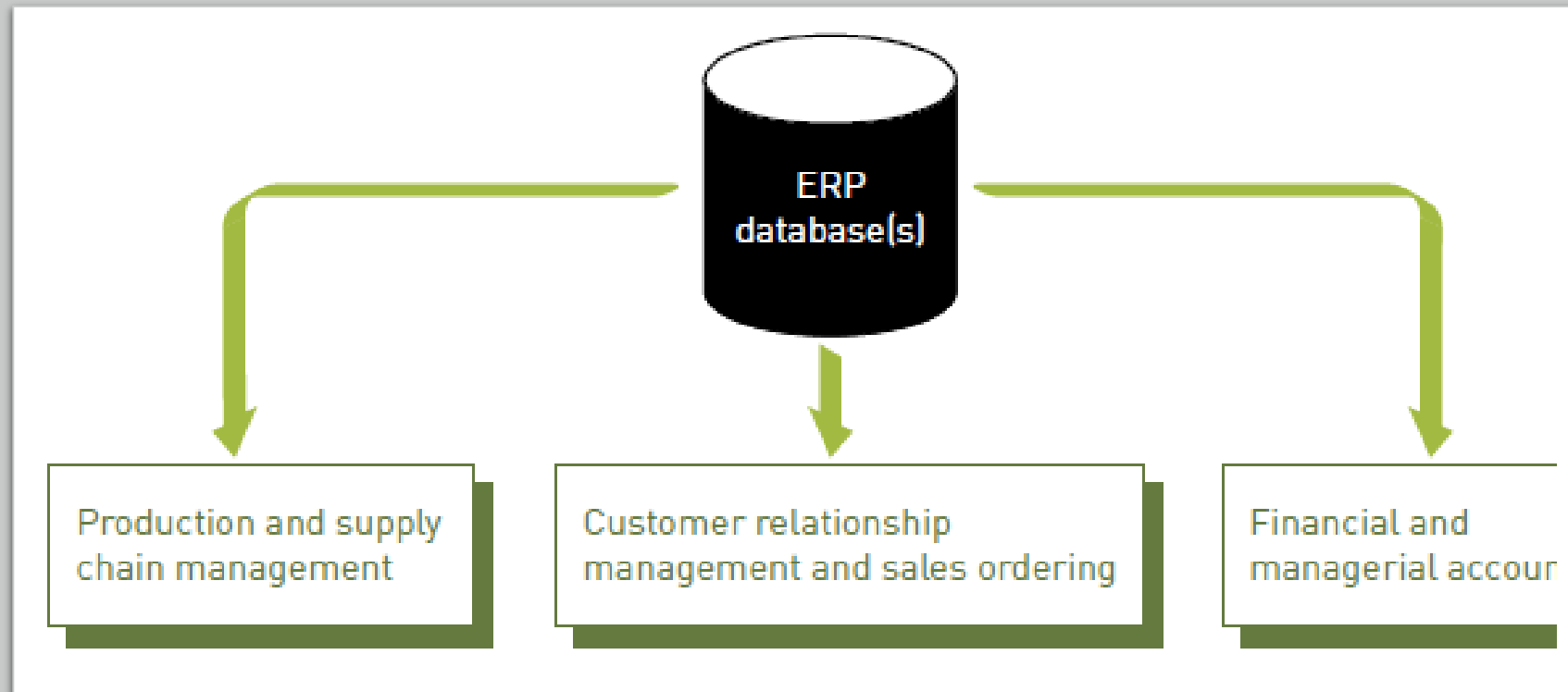
Enterprise Resource Planning (ERP)

- ERP adalah sistem informasi yang diperuntukkan bagi perusahaan manufaktur maupun jasa yang berperan mengintegrasikan dan mengotomasikan proses bisnis yang berhubungan dengan aspek operasi, produksi maupun distribusi di perusahaan bersangkutan
- ERP sering disebut sebagai Back Office System yang mengindikasikan bahwa pelanggan dan publik secara umum tidak dilibatkan dalam sistem ini.



Enterprise resource planning system

- An ERP integrates business processes and the ERP database.



Benefits of ERP

TOP **BENEFITS** OF IMPLEMENTING ERP SOFTWARE

SECURITY & Regulatory Compliance

Keep data safe and regulated with built-in protections.



Eliminate redundant processes and tasks through automation.



PRODUCTIVITY

STREAMLINE Processes & Efficiency

Automate all business operations cross-departmentally.



FOSTERS GROWTH

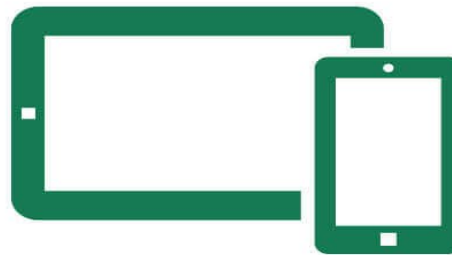


Competition

Stay on top of technology solutions, ahead of your competition.



Mobility and Flexibility



SAVE



MONEY!

INTEGRATED INFORMATION

All customer and financial data, housed in one location.



Centralized data will bolster interdepartmental collaboration.

Collaboration

Work from home, your office, or anywhere with a mobile-friendly solution.



CUSTOMER SERVICE

Faster, more accurate access to customers' information and history.

Forecasting



&

Reporting

ERP Software

- Dynamics AX , Compiere, ORACLE, JDE, BAAN, MFGPro, Protean, Magic, aLTiUs, SAP, Onesoft, IFS, ELLIPS, AGRESSO, INTACS, Euclid System



Supply Chain Management (SCM)

- A system that includes planning, executing, and controlling all activities involved in raw material sourcing and procurement, the conversion of raw materials to finished products, and the warehousing and delivery of finished products to customers.

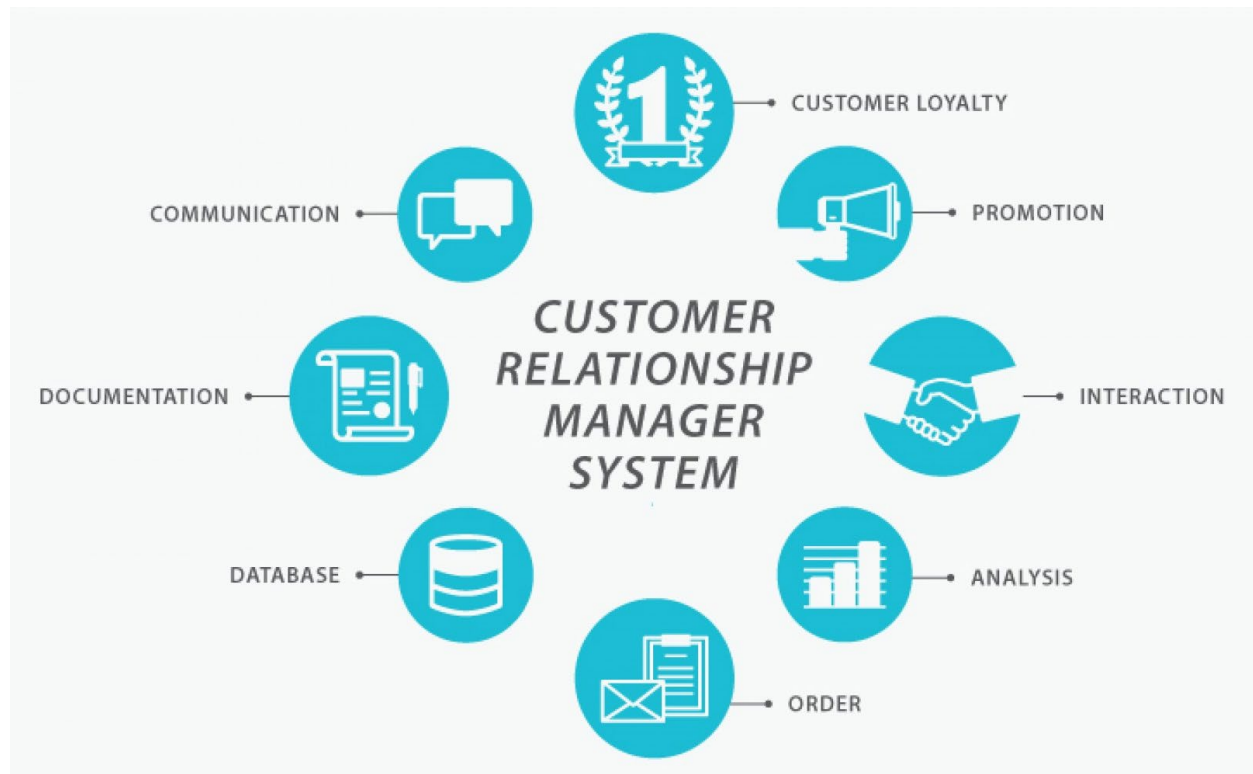


Supply Chain Management Advantages



SCM
Advantages

Customer Relationship Management (CRM)



System that helps a company manage all aspects of customer encounters, including marketing, sales, distribution, accounting, and customer service.



Benefits of CRM