

# Pemakaian Teknologi Informasi

--- Konsep Teknologi ---

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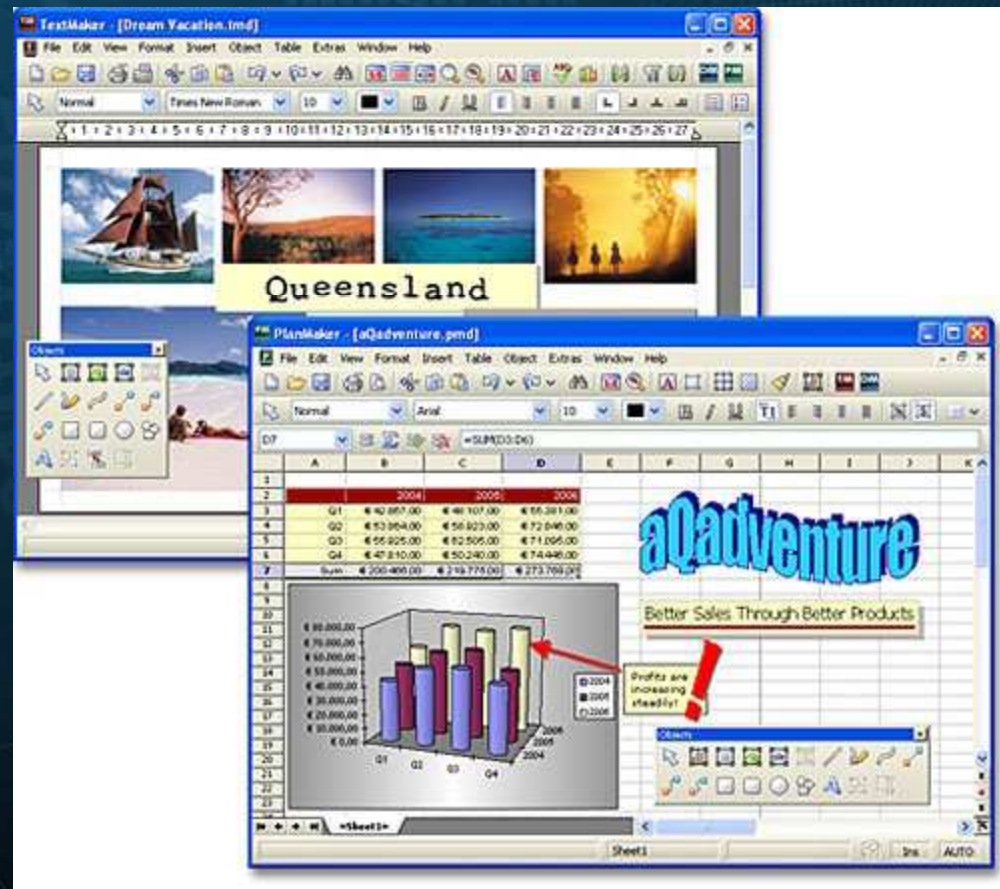


# Kebutuhan akan Teknologi Informasi

- Office
- Pabrik/Industri
- Bisnis
- Gedung/Fasilitas
- Transportasi
- Pendidikan
- Keluarga dan Silaturahmi
- Pemerintahan
- Fisik dan Alam
- Entertainment

# Kebutuhan TI pada Office

- Dokumen
- Worksheet
- Presentasi



# Kebutuhan TI pada Pabrik/Industri

- Otomasi Industri
- MRP (Management Resouce Planning)



# Kebutuhan TI pada Bisnis

- Online Shop/Market



You manage your **Virtual Shop** from anywhere in the world.



Customers shop on your site and click the payment button.



They pay on secure PayPal pages.



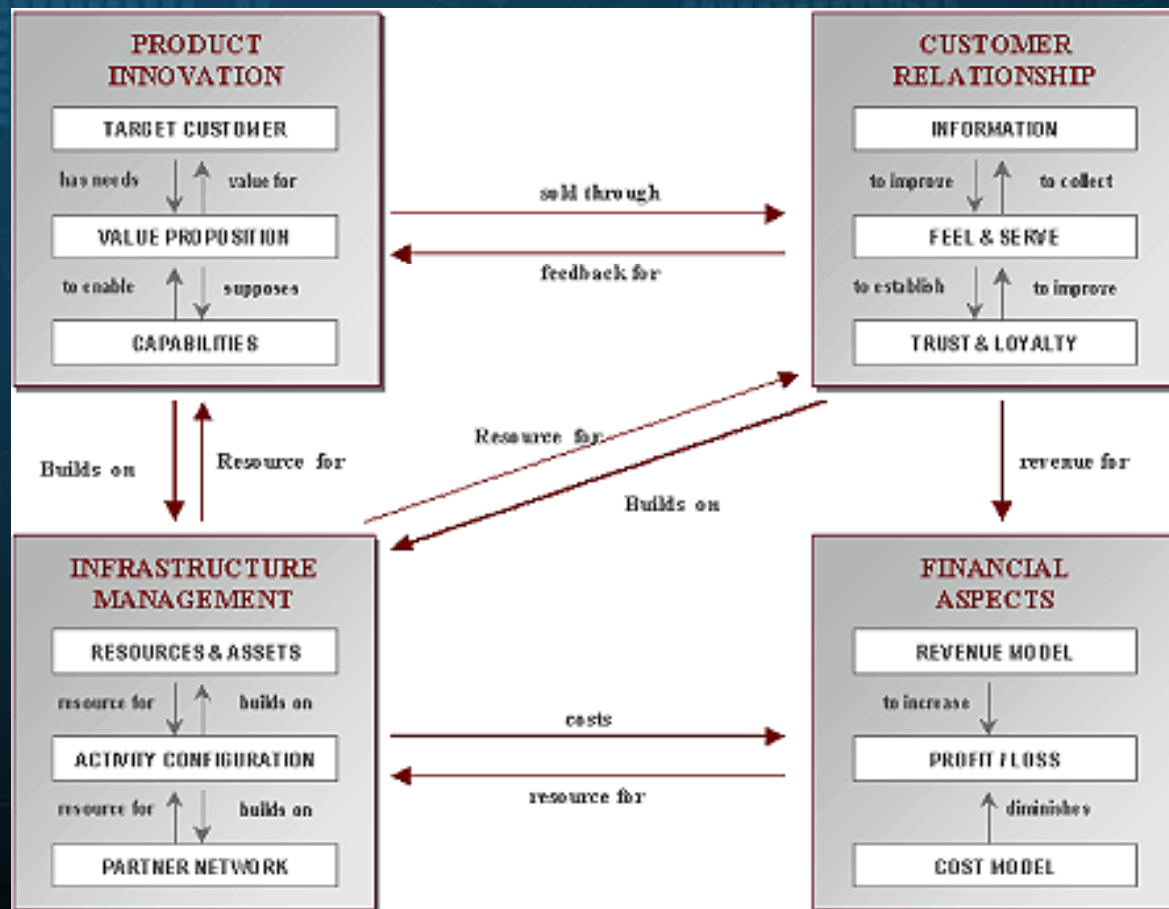
And return to your site after payment.



Your account is automatically credited.

# Kebutuhan TI pada Bisnis

- E-Business



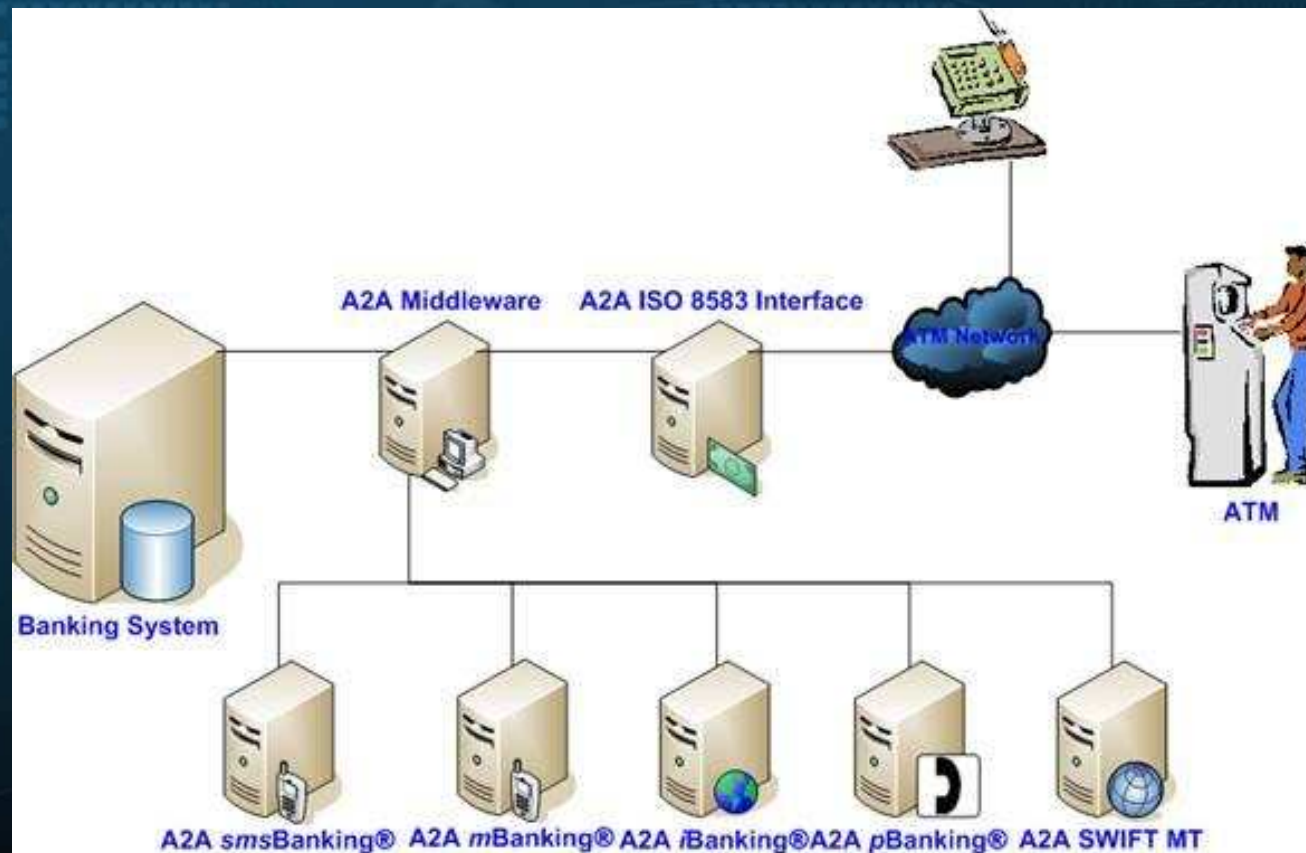
# Kebutuhan TI pada Bisnis

- Intelligent Bussiness

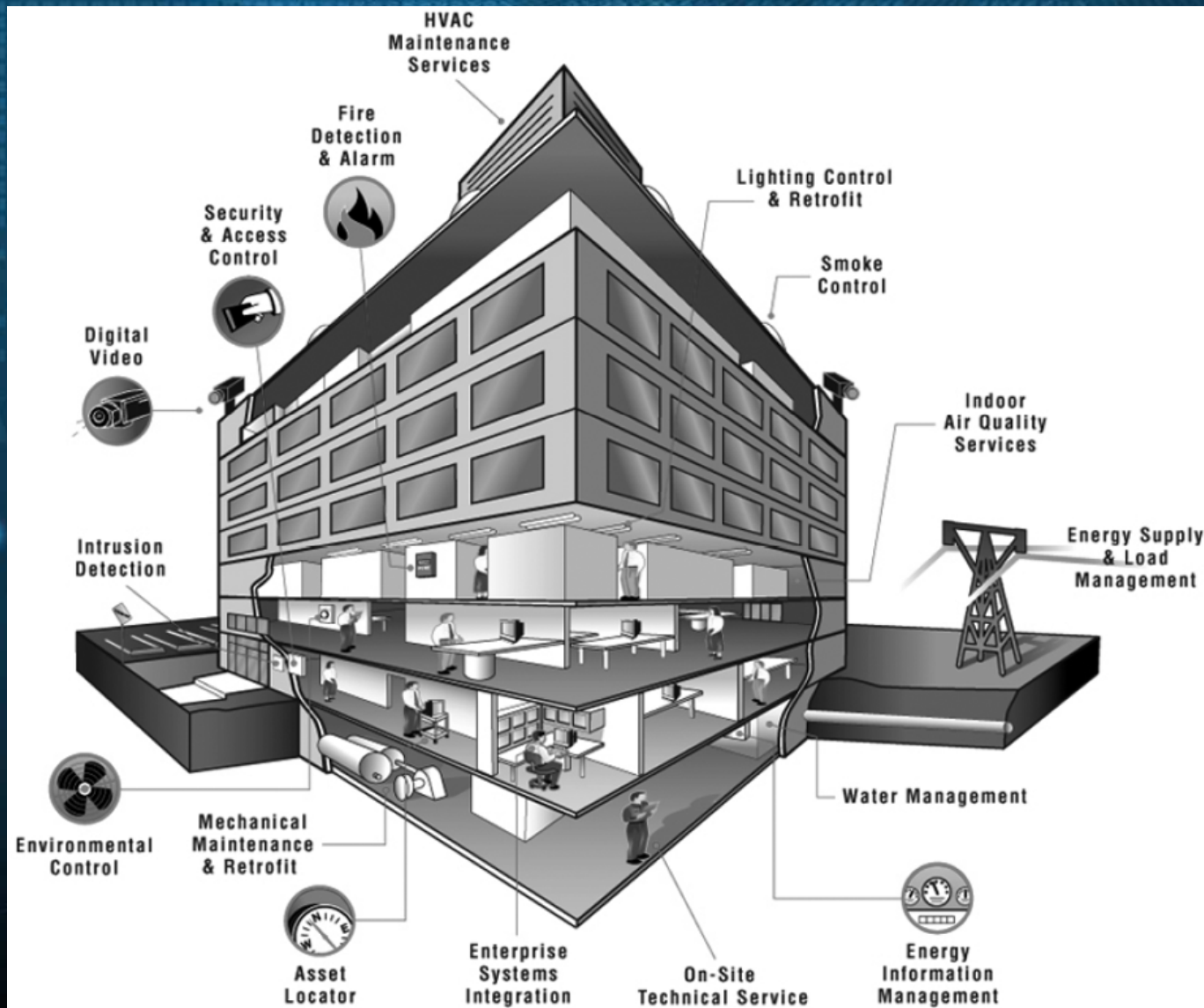


# Kebutuhan TI pada Bisnis

- Internet Banking/ATM

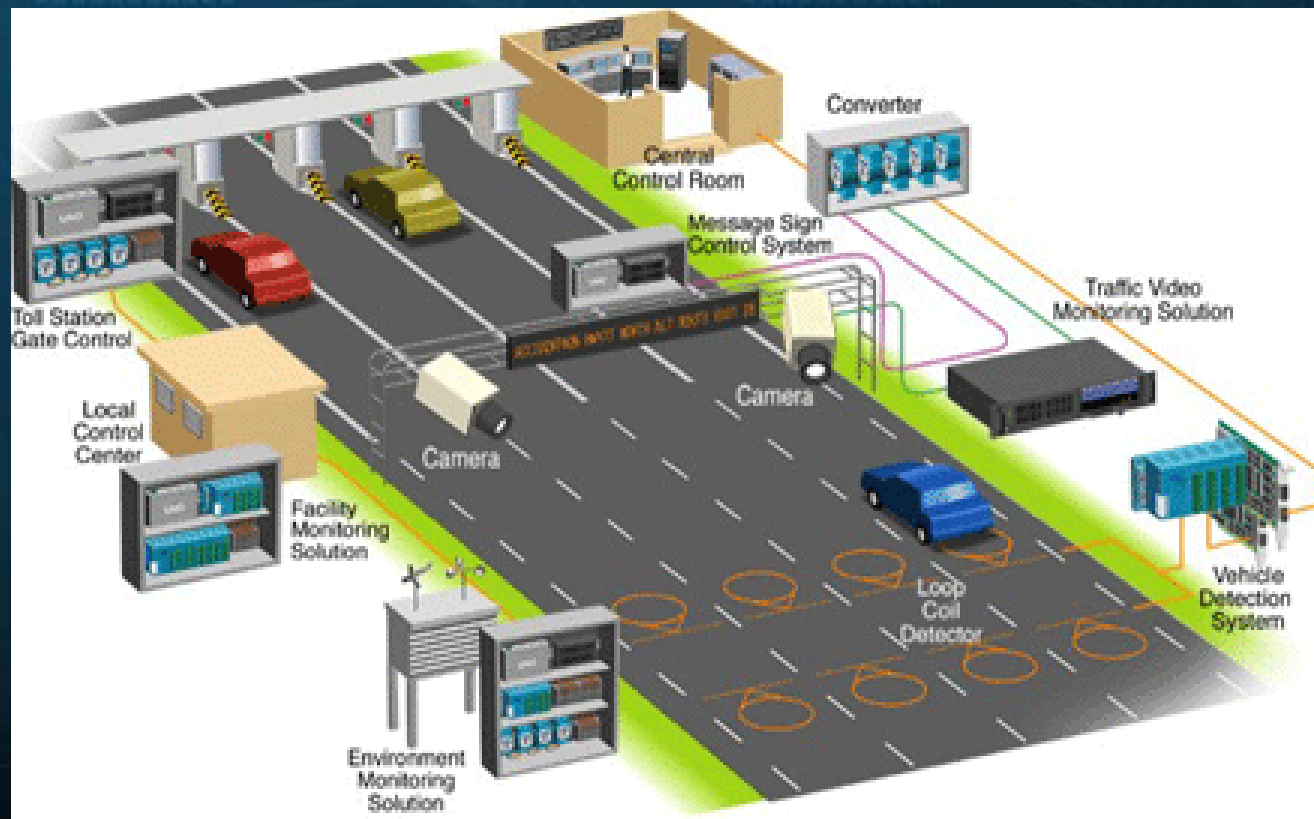


# Kebutuhan TI pada Keamanan Gedung



# Kebutuhan TI Pada Transportasi

- Intelligent Transportation System



# Kebutuhan TI pada Transportasi

- Transportation Services



# Transportation Services

The screenshot displays the Hyperdia website interface. The browser address bar shows [www.hyperdia.com/#](http://www.hyperdia.com/#). The page features a search condition panel on the left and a main content area with navigation buttons and promotional banners.

**Search Condition**

From: SAGA  
To: OSAKA  
Date: Jan/2012 22  
Time: 08am 41  
Type: Departure  
Pass1:   
Pass2:   
Pass3:   
Order: Time  
Route: 5  
Outputs:  Airplane  
 Airport Shuttle Bus  
 Bullet Train (SHINKANSEN)  
 NOZOMI / MIZUHO / HAYABUSA (SHINKANSEN)  
Route:  Limited Express  
 Express  
 Liner  
 Walk  
 Sleeper Limited Express  
 Sleeper Express  
 Ordinary Train  
Corp.:  Japan Railway(JR)  
 Private Railway

**Navigation Buttons:** HYPERDIA by VOICE, Travel Adjustment, Commutation Expenses, Hyperdia Engine, Traffic Solution

**Hyperdia by VOICE for iPhone/iPad**  
Available on the App Store | View details

**Android HYPERDIA lite**

**Information**

- About transit in Japan**  
Many trains and flights have been canceled or delayed due to the Great East Japan Earthquake, torrential rains and typhoons.  
For more information, please refer to railroad companies or travel agencies.
- Timetable data updated**  
On January 18, 2012, we updated timetable data in Hyperdia.
- "HYPERDIA by VOICE", expansion to EU**  
From January 13, 2011, "HYPERDIA by VOICE" hit the Apple's App Store not only at Japan and the U.S, but also at some countries of E.U.

**Other Products**

- MINONARUKI
- ViewMate
- REDISuite
- BPMコンサルティングサービス
- Vsolution

Windows taskbar: start, Hyperdia | Timetable ..., Presentation2, komputer1, EN, 8:43 AM

# Transportation Services

intelligent transportation servi x Paket Wisata:Pemesanan Hot... x

www.expedia.co.id/?rfr=Redirect.From.www.expedia.com%2FHome.htm

This page is in Indonesian Would you like to translate it? Translate Nope Never translate Indonesian Options x

Beranda Hubungi ahli perjalanan kami di 007-803-011-0463

## PESAN PERJALANAN ANDA

Hotel  
 Penerbangan Air Asia

Penerbangan + Air Asia + Hotel

**Pesan PENERBANGAN + HOTEL sekaligus dan lebih hemat**

### Penerbangan

**Lengkapi bidang yang disorot di bawah**

Pulang-pergi  Sekali jalan

Berangkat dari:  Berangkat:  Waktu:

Pergi ke:  Kepulangan:  Waktu:

Dewasa (18-64):  Manula (65+):  Anak-anak (0-17):

**CARI PENERBANGAN**

Butuh Bantuan Pemesanan?  
**Hubungi Bebas pulsa: 007-803-011-0463.**  
Lihat jam, tarif & detail [L](#)  
[Kunjungi Dukungan Pelanggan >](#)

## OBRAL HOTEL RAYAKAN TAHUN BARU HEMAT HINGGA 55%

**PESAN SEKARANG**

Obral berakhir 24/01/2012 23:59 WIB

## OBRAL HOTEL RAYAKAN TAHUN BARU HEMAT HINGGA 55%

## TAWARAN HOTEL MENARIK HARI INI

| Tujuan       | Peringkat Bintang | Harga             |
|--------------|-------------------|-------------------|
| Singapura    | ★★★★☆             | Dari Rp1.293.066* |
| Kuala Lumpur | ★★★★★             | Dari Rp703.452*   |
| Hong Kong    | ★★★★☆             | Dari Rp1.084.320* |

start Paket Wisata:Pemesa... Presentation2 komputer1 EN 8:46 AM

# Kebutuhan TI pada Pendidikan

- E-Learning/m-Learning
- Academic Information System
- Intelligent Library
- Automatic Timetabling
- PJJ (Program Jarak Jauh)



# Kebutuhan TI pada Keluarga dan Silaturahmi

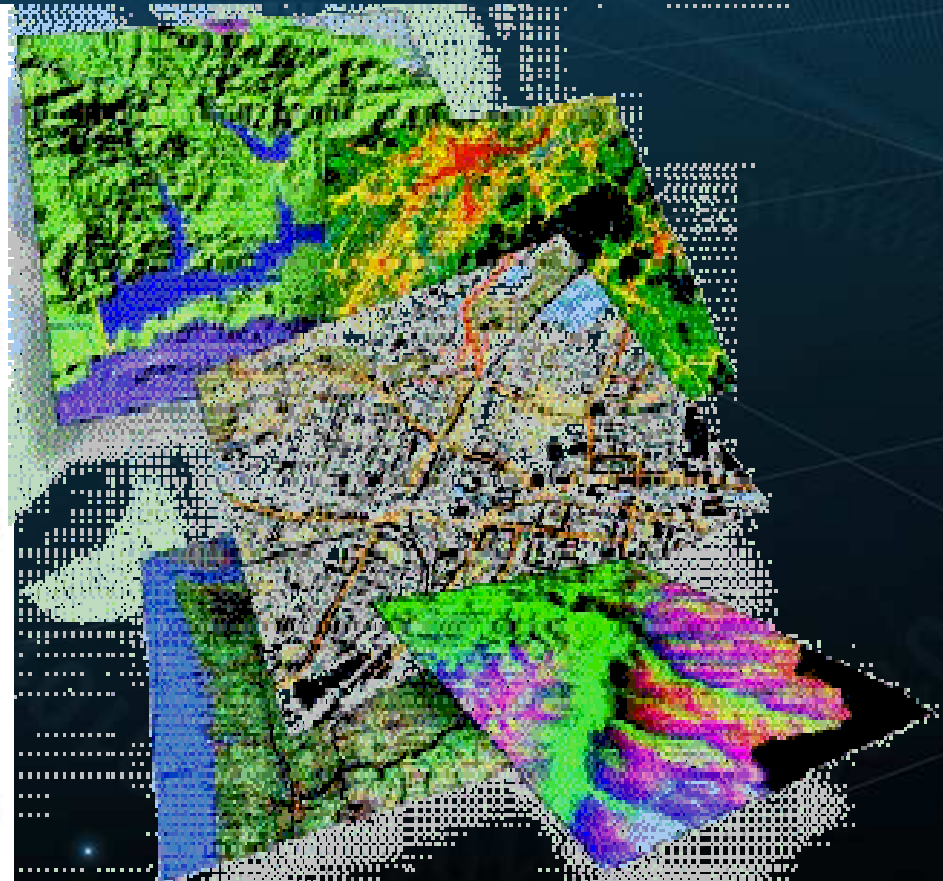
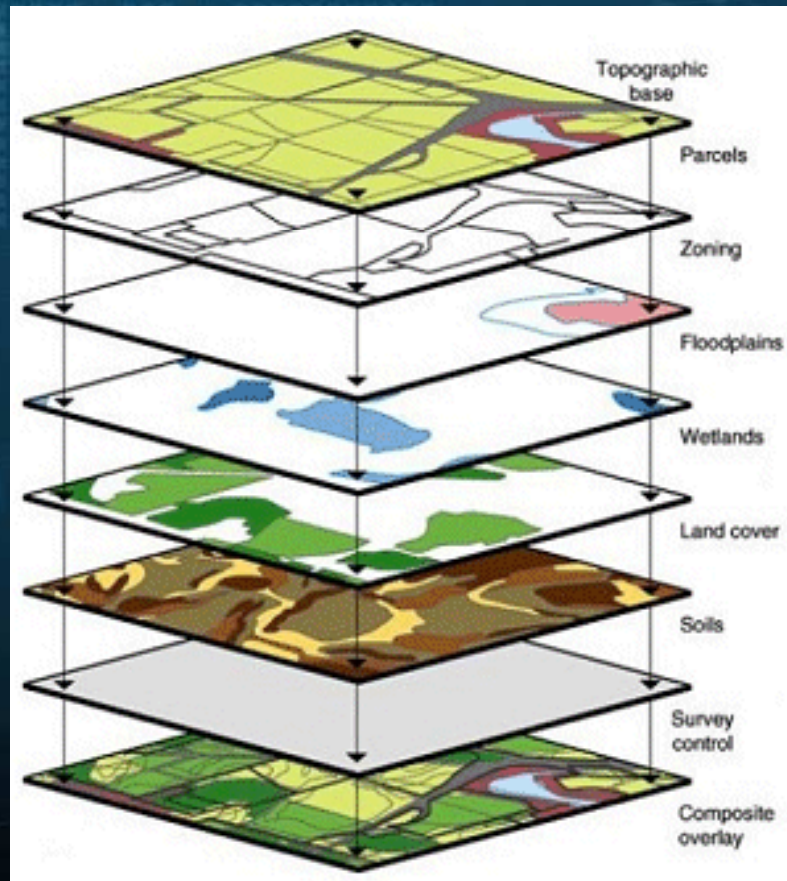
- SMS/MMS
- Tele-conference
- Chatting
- Videophone





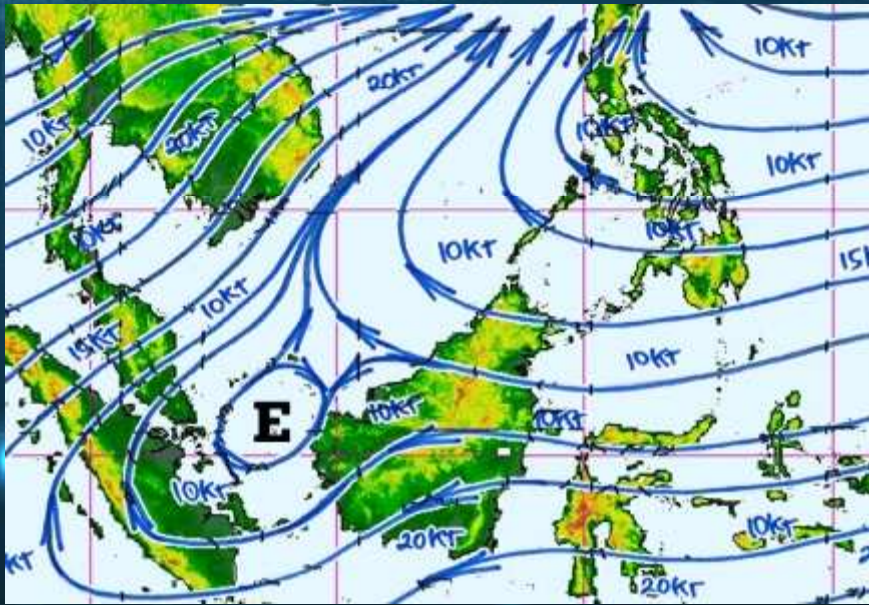
# Kebutuhan TI pada Fisik dan Alam

- Geografis Information System



# Kebutuhan TI pada Fisik dan Alam

- Cuaca



Weather > Europe > Netherlands > Twenthe F° | C°

Current conditions as of 4:20 pm CEST

### Mostly Cloudy

Feels Like: 17°  
Barometer: 982 mb and steady  
Humidity: 45%  
Visibility: 9.99 km  
Dewpoint: 5°  
Wind: ENE 32 kph  
Sunrise: 6:22 am  
Sunset: 8:42 pm

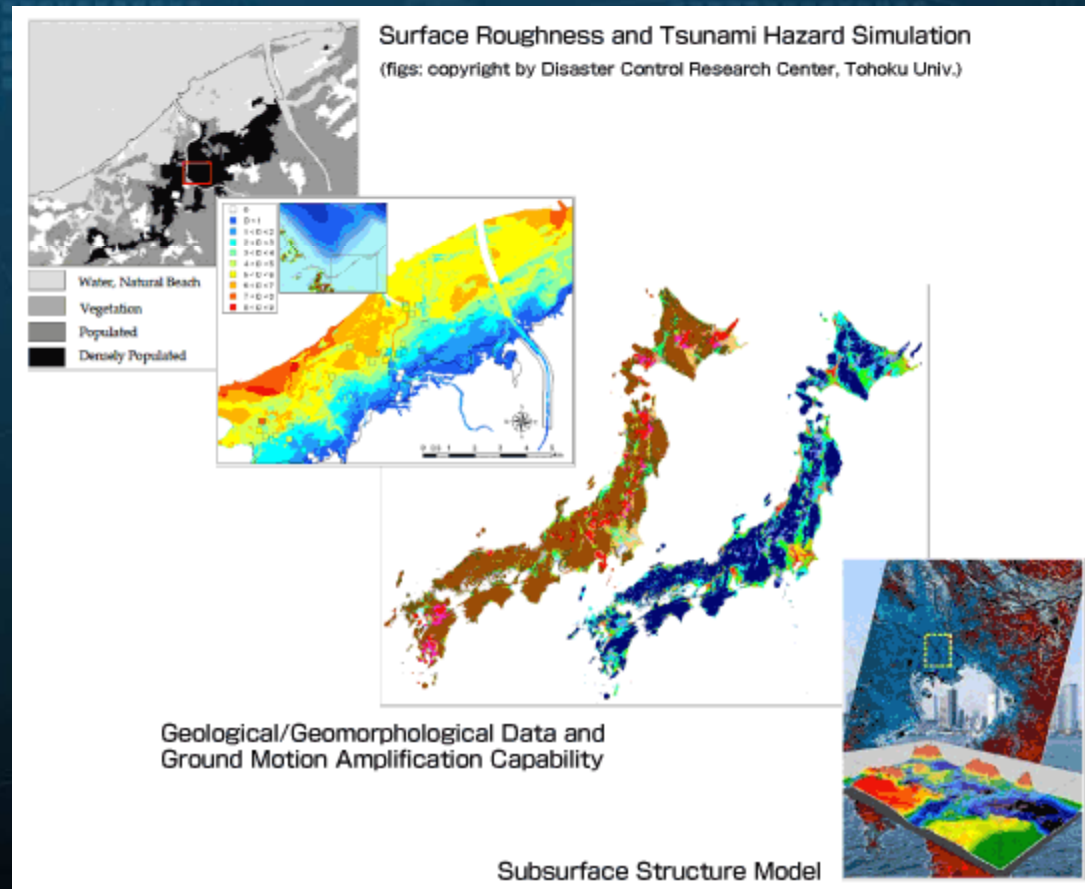
17°  
High: 17° Low: 5°

» Detailed Forecast  
» Records & Averages  
» Get Yahoo! Weather on your desktop

| TODAY   | TOMORROW   | WED   | THU   | FRI  | 6-10 DAY                 |
|---|--|---|---|--|--------------------------|
| <br><b>Mostly Cloudy</b> | <br><b>Mostly Sunny</b> | <br><b>Sunny</b> | <br><b>Partly Cloudy</b> | <br><b>Cloudy</b> | <b>Extended Forecast</b> |
| High: 17°<br>Low: 7°  | High: 17°<br>Low: 5°   | High: 18°<br>Low: 6°  | High: 17°<br>Low: 7°  | High: 16°<br>Low: 7°   |                          |

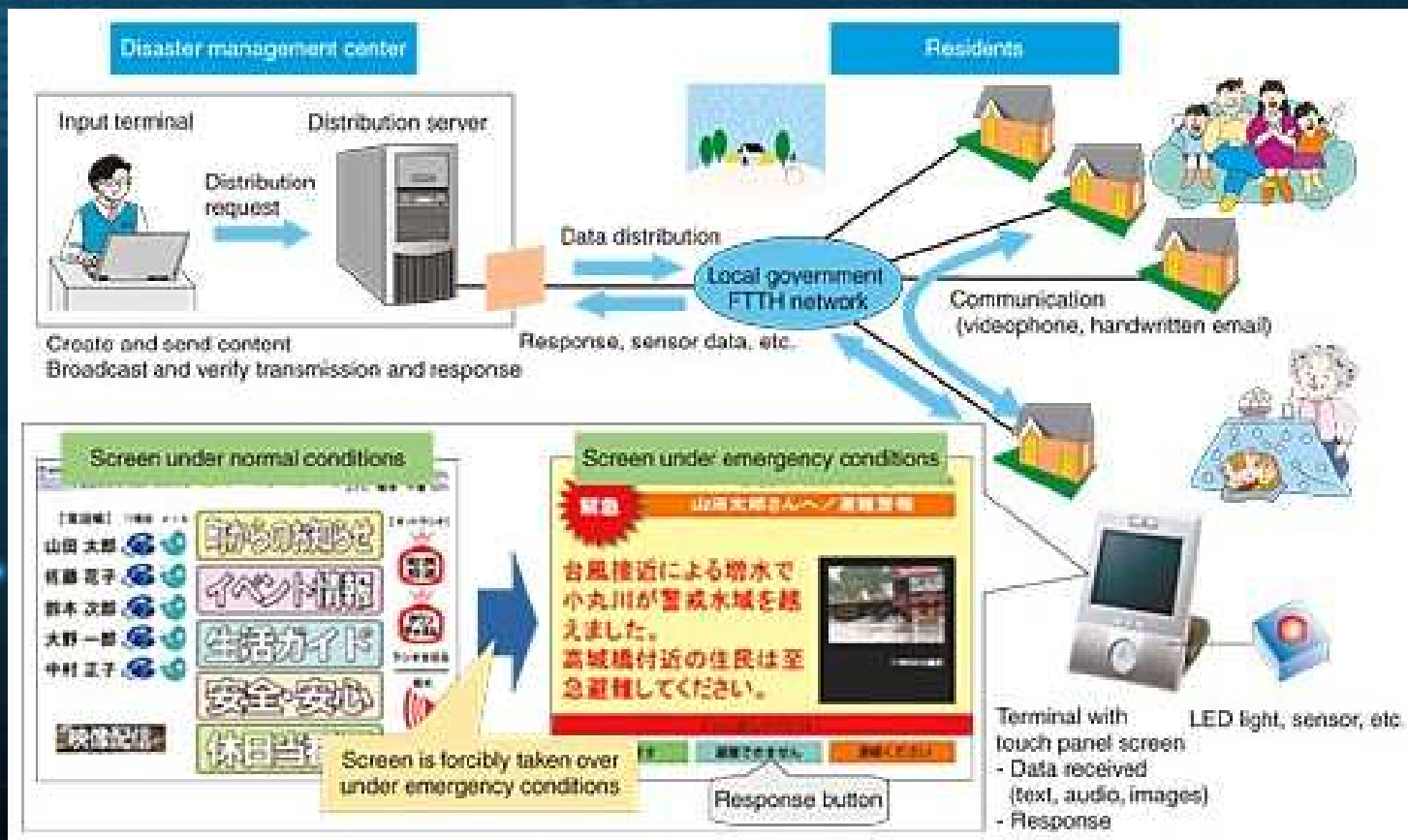
# Kebutuhan TI pada Fisik dan Alam

- Mitigasi/Prediksi/Simulasi Bencana Alam



# Kebutuhan TI pada Fisik dan Alam

- Disaster Management System



# Kebutuhan TI pada Entertainment

- Broadcasting
- Streaming
- Game dan Online Game
- Graphics/Video Editing Tools



# Perkembangan Teknologi Informasi

- Web-based
- Intelligent Bussiness
- Signal system dan Computer Vision
- Intelligent Devices dan Robotika
- Global Application
- Data Mining
- Geographic Information System

# Materi Dasar Untuk Penguasaan TI

- Programming
- Jaringan komputer
- Database
- Web-based application
- Mobile application

# Materi Lanjut Untuk Penguasaan TI

- Rekayasa Perangkat Lunak
- Keamanan jaringan
- Data-warehouse
- Computational and Soft Computing
- Computer Vision dan Grafika
- Modeling dan Simulasi

# Dasar Pembelajaran Dalam TI

## PROGRAMMING + MATEMATIKA

Jaringan  
Komputer

Database  
Management

Signal and  
Sensor

Soft  
Computing

- Web Technology
- Jaringan Komputer
- Sekuriti pada jaringan komputer

- Data warehousing
- Information System
- GIS

- DSP dan DIP (Digital Signal/Image Processing)
- Computer Vision
- Grafika

- Statistical Process
- Artificial Intelligence
- Machine Learning
- Data Mining