

Smart City, Responsive City

Leveraging the Power of Bigdata and Artificial Intelligence to Enhance City Services



Sekota



eBdesk & Indonesia Indicator (i2)

- established in 2000 (eBdesk) and 2013 (i2)
- product development based on artificial intelligence (AI) + bigdata

Places, People, Clients

- 7 offices in Jakarta, Bandung, Kuala Lumpur
- 10 local offices in Indonesia
- more than 500 people
- more than 200 corporations and government
- managing 600 ebdesk's servers and 1200 client's servers

Products

- IAS (Information Admiralty System)
- EWS (Early Warning System)
- IMM (Intelligence Media Management)
- IPA (Intelligence Perception Analysis)
- IPS (Intelligence Profiling System)
- IPQ (Intelligence Predictive Quest)
- ISR (Intelligence Social Robot)
- ICT (Intelligence Cyber Troops)
- IPD (Intelligence Portal Data)
- Intelligence Smart City



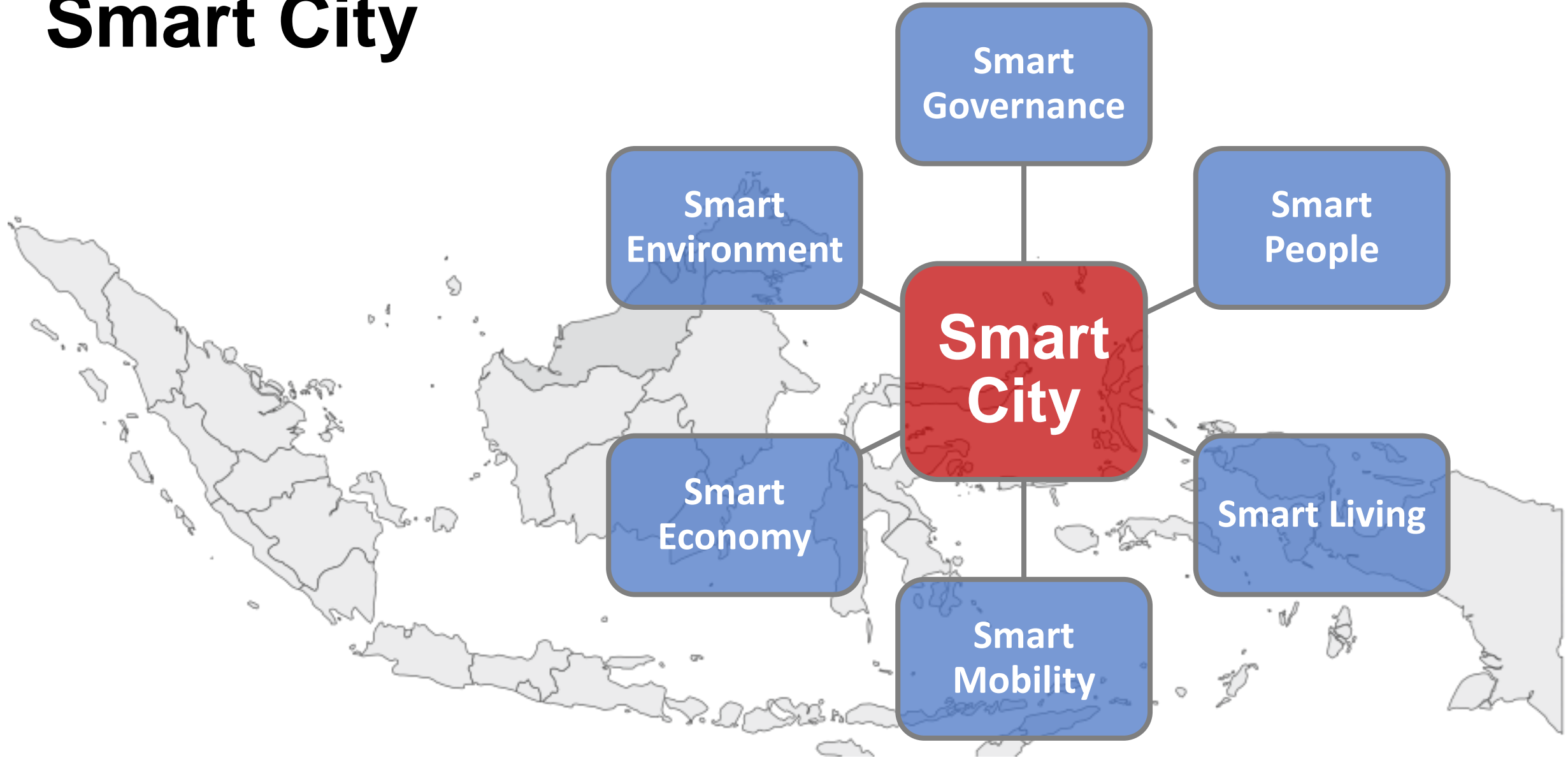
Local Governments



dan lebih dari 50 customers lain di Indonesia

Dan lebih dari 50 daerah seluruh Indonesia

Smart City



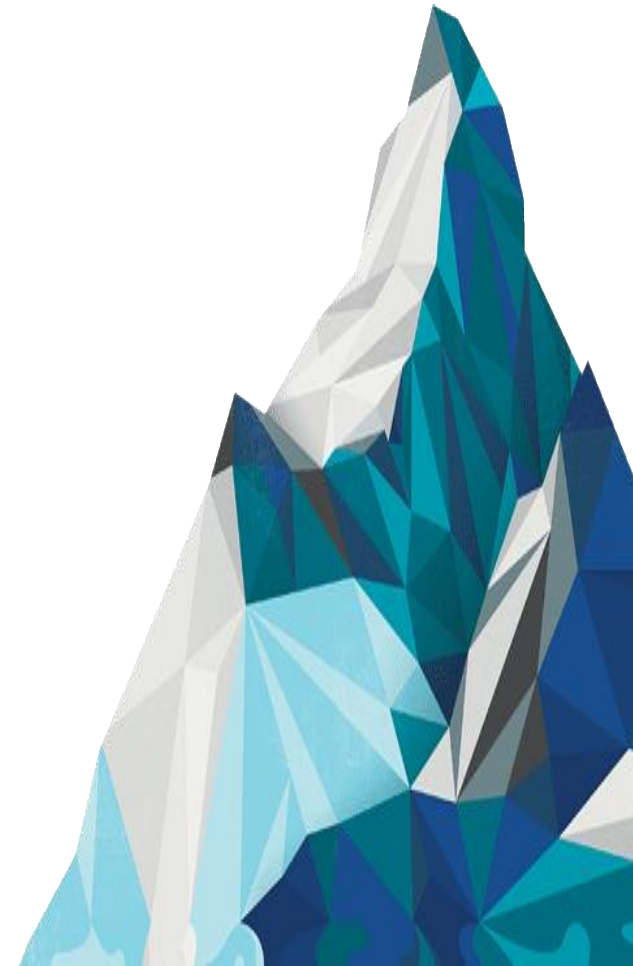
Why Smart City ?

- Nearly half of the world population has migrate to the cities in 2013. This urbanization brings other issues such as population explosion, high cost of living, pollution, social conflict, rising of crime rates and the higher cost in the provision of public infrastructure.
- Technology enable to support city services for the well-being of its inhabitants. Internet, automation, sensors, IoT (Internet of Things), is applied to simplify and expedite the flow of city dwellers, information, goods, education and economy as a whole.
- Internet has spread across Indonesia, as a 24-hour real-time infrastructure to connect people, data access, transaction, disseminating information, equipment control, and other facilities.



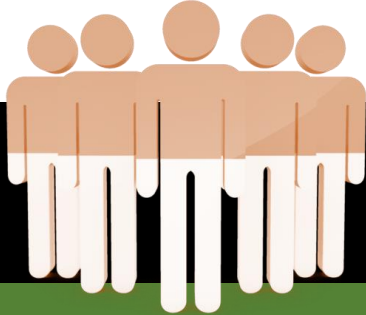
Smart City Implementation

- Smart city is not just a law enforcement tool: CCTV usage does not limited to monitor and punish violator
- Fast services isn't everthing, but a daily service that's matters → targeted population : citizen
- Resident → New Gen → Mobile Gen
- Smart city invest meant for well-being, not burdening the citizen
- City thrives on economy flow → employability → money
- The beginning of **smart citizen** → starts from human



eBdesk Smart City Platforms

Smart Citizen



- Smart News & Info
- Smart Reporting
- Smart Security
- Smart Mobile Economy
- Smart Transport
- Smart Commerce
- Smart Jobs
- Smart Property
- Smart Health
- Smart Education
- Smart Tourism

Smart Government



- Intelligence Media Management (IMM)
- Intelligence Perception Analysis (IPA) – Social Media
- Intelligence Profiling System (IPS)
- Intelligence Portal Data
- CCTV Analysis
- Alerting Systems
- Smart City Sensors
- Smart City Portal
- Business Intelligence

Smart Business



- Local B2C Portal
- Local B2B Portal
- Job & recruitment market
- Property market
- Services
- Advertising
- Sponsorship

An isometric, green-tinted aerial view of a smart city. The city is filled with various buildings and infrastructure, each labeled with Indonesian words representing smart services. Labels include: SMARTCITY (top left), ASPIRASI (top center), BERITA (top center), KESEHATAN (top right), INFO KOTA (middle left), FORUM (middle left), GCTV (middle left), LOKASI (middle center), ANGKUTAN (middle center), KULINER (middle right), AGENDA (bottom left), PARIWISATA (bottom left), JADWAL (bottom center), OTOMOTIF (bottom center), OJEK (bottom right), and PROJEKSI (bottom right). A large, bold, black text 'Smart Citizen' is overlaid on the bottom left of the city view.

Smart Citizen

- Smart Info & News
- Smart Reporting
- Smart Mobile Economy
- Smart Transport
- Smart Commerce
- Smart Jobs
- Smart Property
- Smart Health
- Smart Education
- Smart Security

Smart Citizen

- How does technology support activities of the population in terms of information, transportation, employment, trade, food, communications, and everyday activities.
- How technology maximize on local proximities (**local loop**) for exchange of goods and services.
- How to integrate the available city-related data on commerce site (C2C and B2C), property, vehicles, services etc. in real time.

Smart Citizen

- Smart Info & News
- Smart Reporting
- Smart Mobile Economy
- Smart Transport
- Smart Commerce
- Smart Jobs
- Smart Property
- Smart Health
- Smart Education
- Smart Security



Klatenkab.go.id TERBARU INFO MASYARAKAT
 news | yesterday

Ribuan Tenaga Pendidikan Muhammadiyah di Klaten ikuti Deklarasi FGM



www.solopos.com - klaten
 news | yesterday

34 Kontingen Jor-Joran Meriahkan Karnaval Klater
 Mbah Poyo Terima Penghargaan Dari

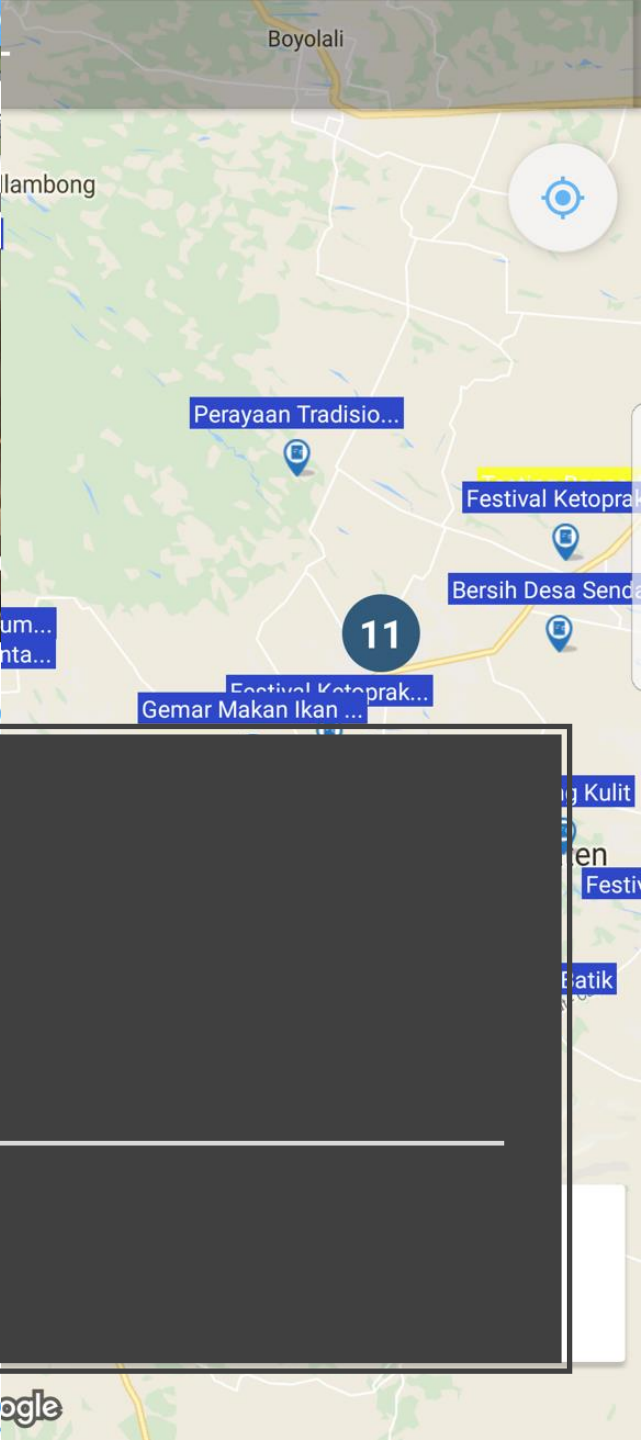


Information

www.solopos.com - klaten
 news | 19 Aug 2017

50 Kontingen Turut Serta, Begini Kemeriahan

Afgan Buka Suara Soal 'Pengusirannya' dari



Sate Kambing Mbah Wito Warik

Warung



Warung Sate Mbah Wito, generasi kedua. Menerima pesanan partai besar partai kecil

Mbah Wito

-

085228424312

Buka sekarang: 09:00 - 21:00

Jl. Deles Indah, Keputran, Kemalang, Kabupaten Klaten, Jawa Tengah 57485.

Aneka Ayam dan Bebek

Ibu Mulyani Warung



Ayam Dan Bebek Goreng

Jl. Raya Delanggu Utara No.35, C...
09:00 - 20:00

Bu Endang

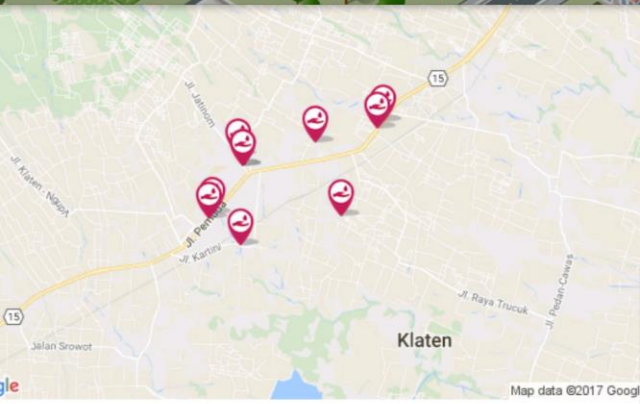
TUTUP

Warung Penyet Mbook

Jl. Jabung Gantiwarno, Canan, W...
15:30 - 10:00

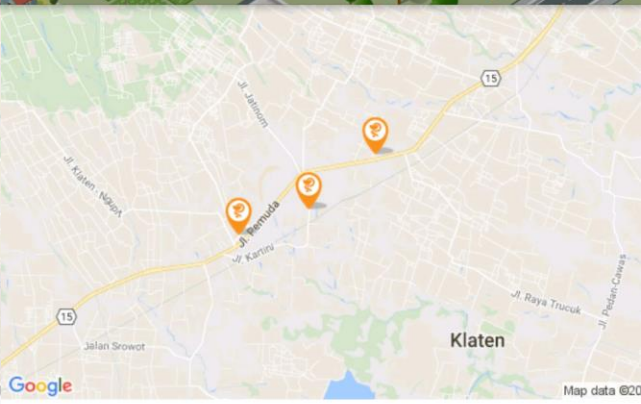
Riyadi

Pijat



Rahayu Panti Pijat
Jl. Raya Solo, Dlimas, Ceper, Kabupaten

Apotek



Apotek Medika Farma
Jl. Opak, Methuk Klaten

Food And Health

Panti Pijat
Jl. Klaten - Solo, Karang Delanggu

IF RS Cakra Husada Klaten
Jl. Merbahu No 7 Klaten

Motor

Properti

Mobil

Rumah



skydrive tahun 2009
Rp.5.200.000,00



scorpio z 2005...
Rp.11.000.000,00



Rp.250.000.000,00
Rumah Minimalis
Lokasi Strategis



panther Hi-Grade
Rp.60.000.000,00



Honda Hrv Tahun 2015
Rp.150.000.000,00



Griya Pratama Asri
10 hari yang lalu
Rp. 135.000.000
rumah123.com



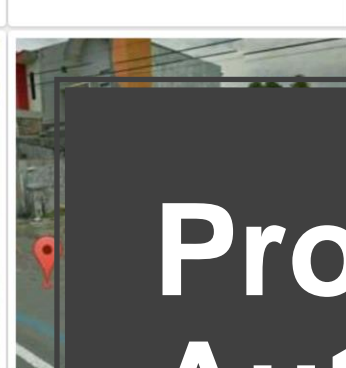
RUMAH
13 menit yang lalu
Rp. 195.000.000
rumah123.com



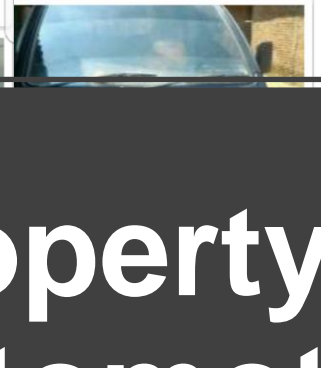
scorpio z 225 2005
Rp.11.000.000,00



Honda beat 110cc thn
Rp.9.250.000,00



Rp.100.000.000,00



Rp.100.000.000,00



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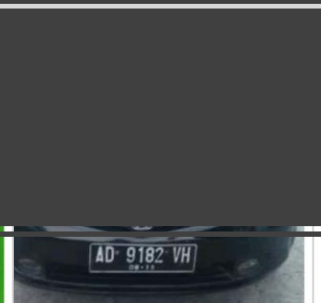
Yamaha



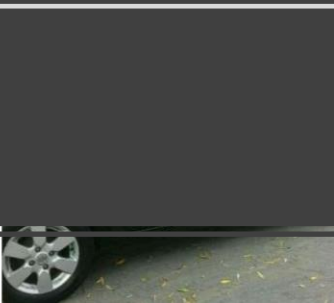
Kawasaki



Rp.100.000.000,00

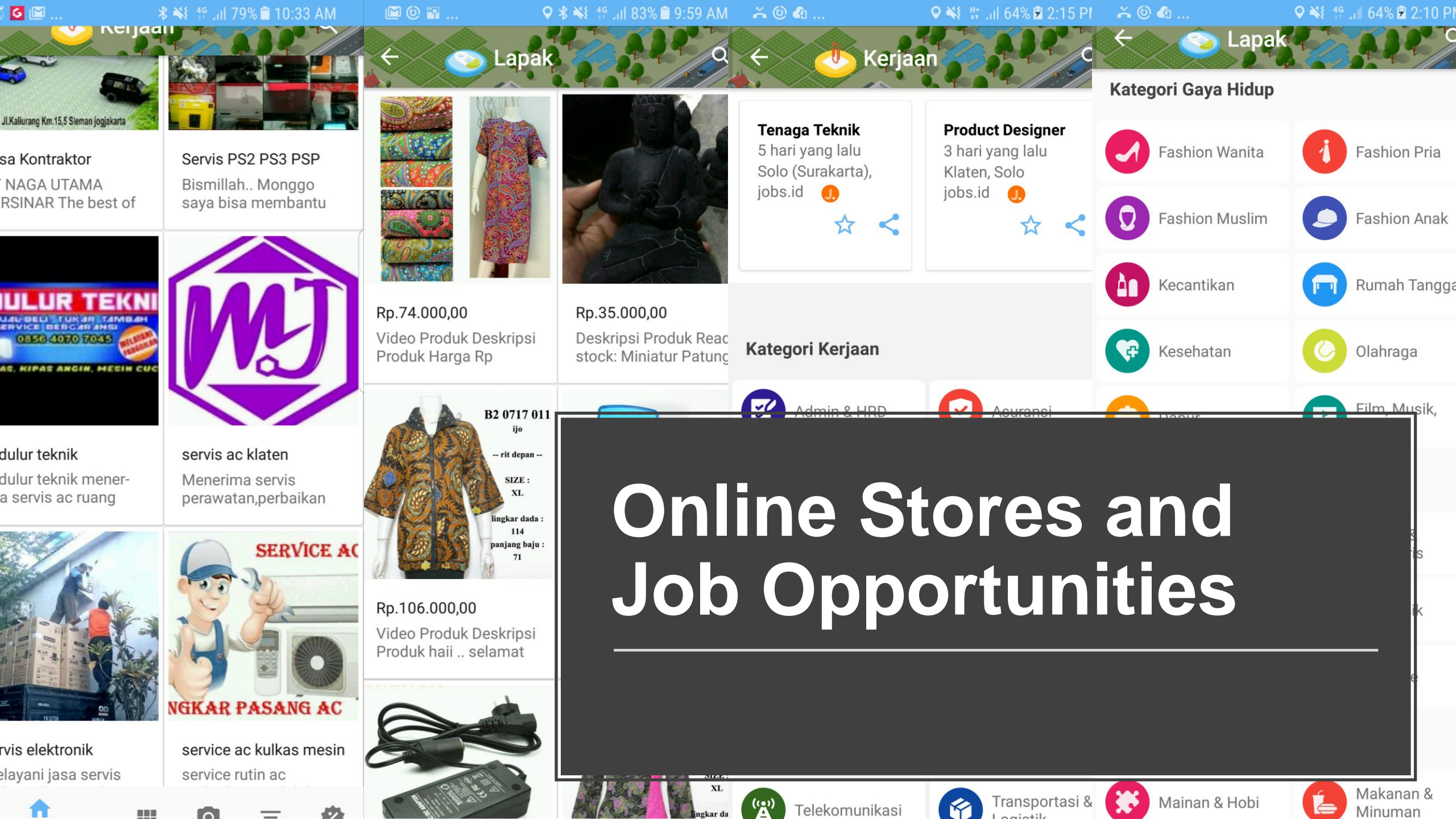


Rp.100.000.000,00



Rp.100.000.000,00

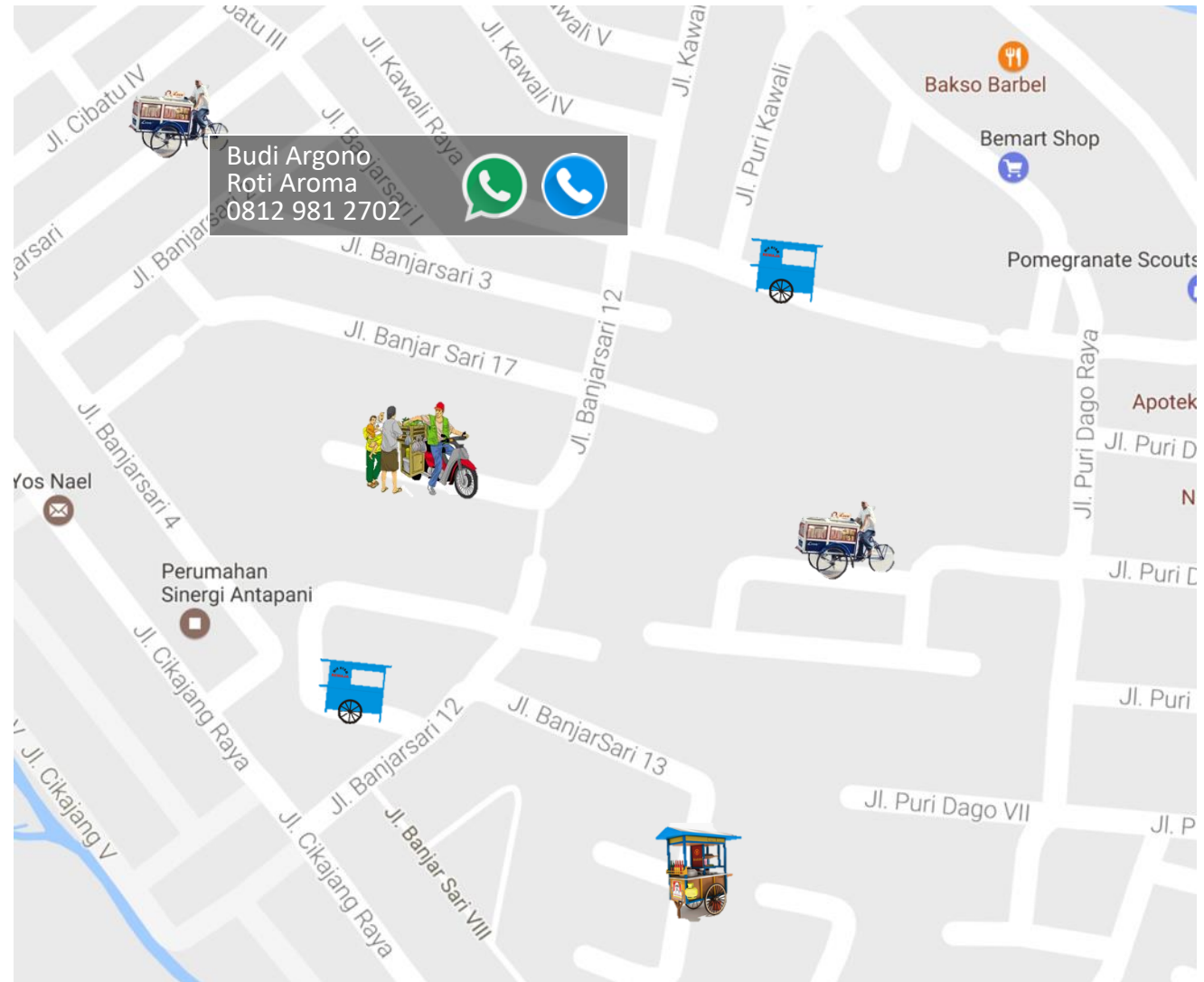
Property & Automotive



Online Stores and Job Opportunities

Mobile Economy

How to find the bakers, vegetable sellers, street hawkers, motorcycle, transportation, etc.?
Connecting the sellers and buyers, and increases the flow of transactions and microeconomics in the area.





Smart Government

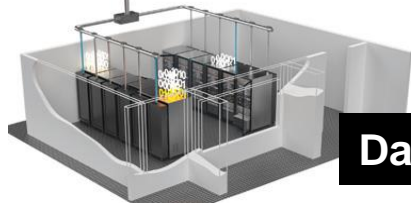
- Intelligence Media Management
- Intelligence Perception Analysis
- Intelligence Profiling System
- Intelligence Portal Data

- CCTV Analysis
- Alerting Systems
- Smart City Sensors
- Smart City Portal
- Business Intelligence

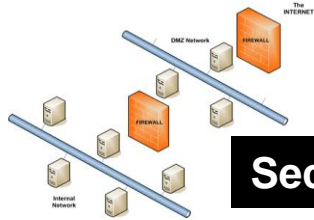
Components



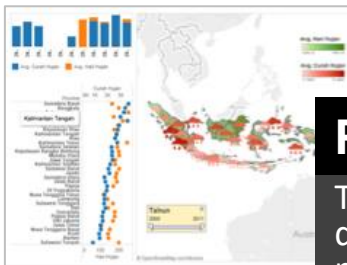
Command Center



Data Center

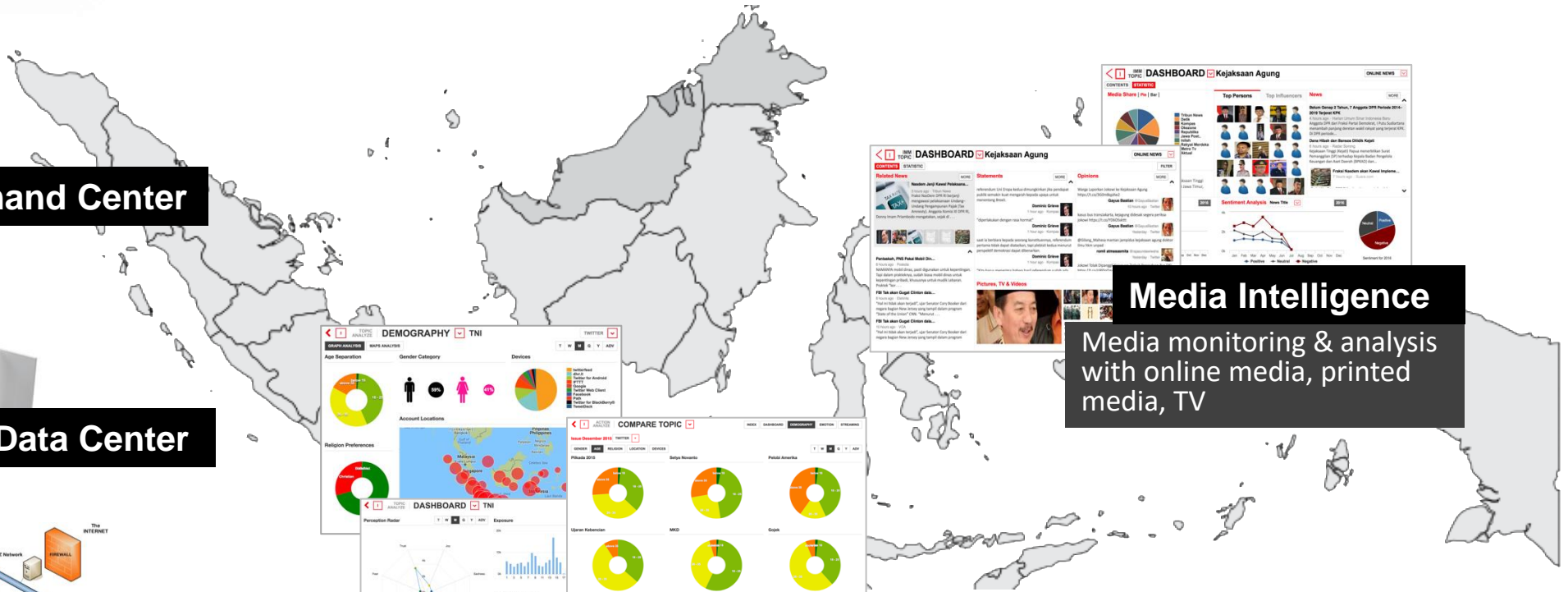


Security



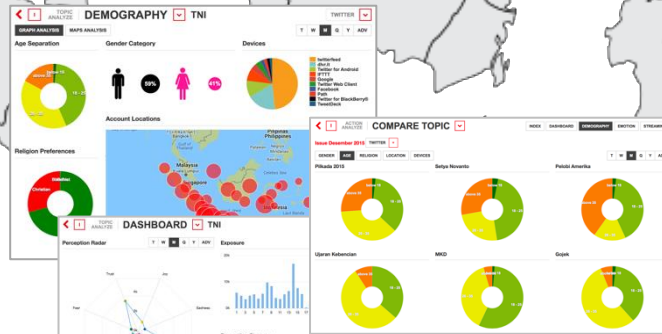
Portal Data

The integration of data from different institutions, both national and international



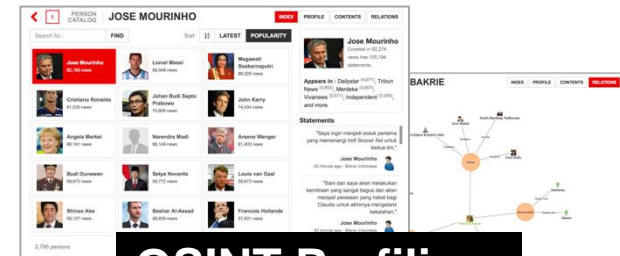
Media Intelligence

Media monitoring & analysis with online media, printed media, TV



Socmed Intelligence

Analysis of public perceptions of social media in real time of each issue, incident, character, with emotion recognition and demographic studies

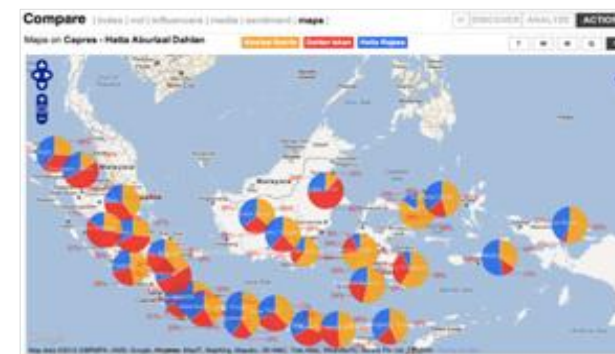
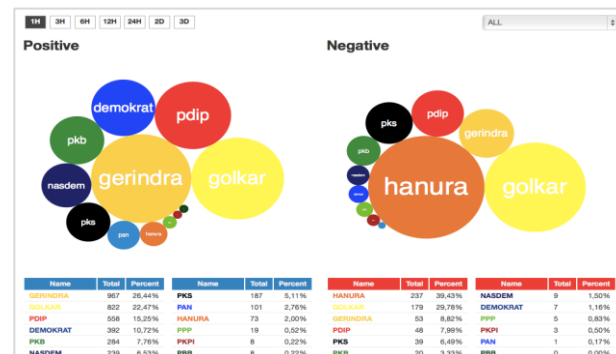
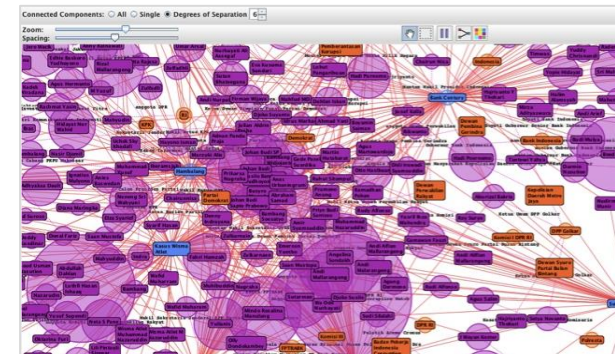
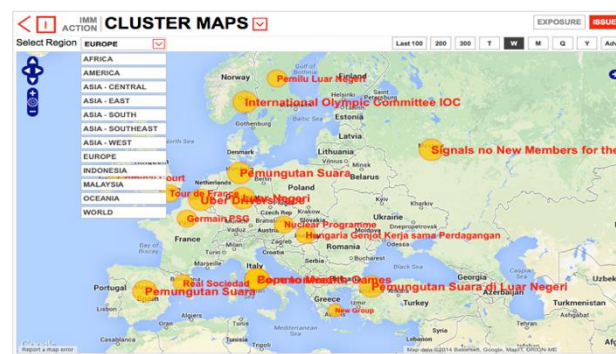
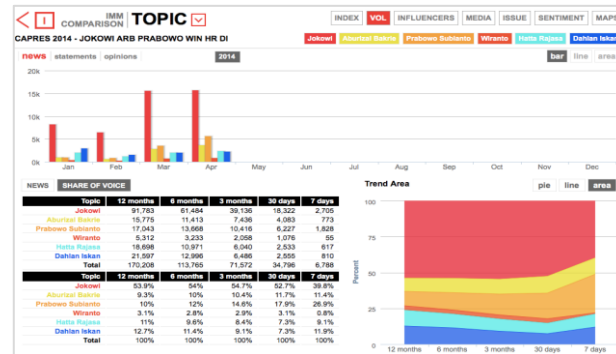


OSINT Profiling

Real time categorization of people and organization, by osint and dataint

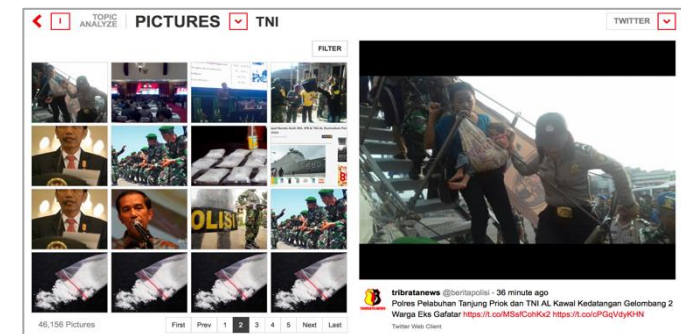
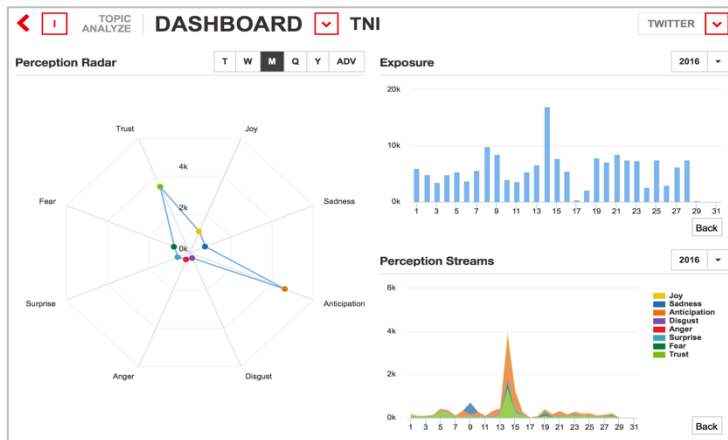
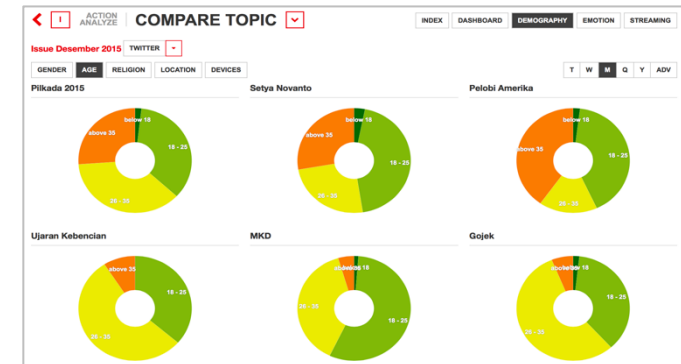
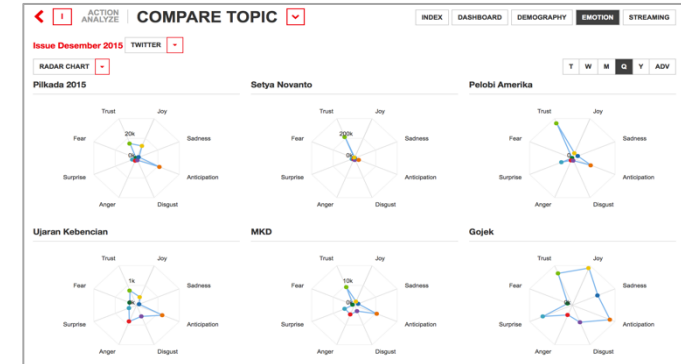
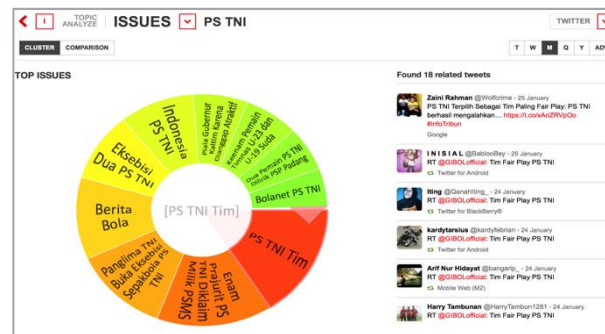
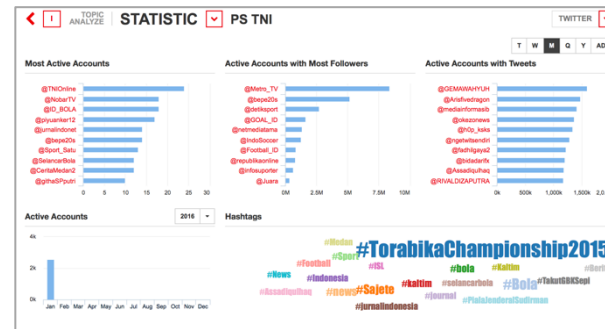
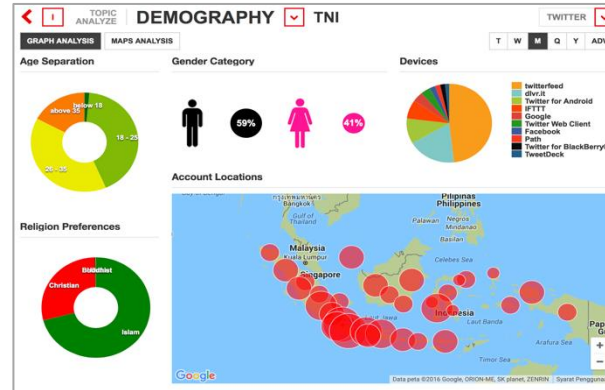
Intelligence Media Management

IMM collects data from online media, printed media, TV, social media, and then analyzing trend, expose, influencers, issue, sentiment, media share, mapping, network, and comparison between issues. IMM assist decision makers to know what happened in realtime accurately.



Intelligence Social Media

Conduct analysis of public opinion from social media in real time to get the public's perception of the events, characters, organizations, case, issue, or policy. Twitter's data is used to get demographic profile based on the age, gender, location, activity, awareness, influence, hobby.



Intelligence Profiling System

Real time catalog that will automatically complete the profile of millions of people, with the contextual linking ontology properties.

PERSON CATALOG JOSE MOURINHO

Search for... FIND Sort LATEST POPULARITY

Jose Mourinho 92,188 news	Lionel Messi 89,548 news	Megawati Soekarnoputri 88,225 news
Cristiano Ronaldo 81,535 news	Johan Budi Saptu Prabowo 75,609 news	John Kerry 74,434 news
Angela Merkel 66,191 news	Narendra Modi 66,149 news	Arsene Wenger 61,400 news
Budi Gunawan 59,872 news	Setya Novanto 59,772 news	Louis van Gaal 58,673 news
Shinzo Abe 58,127 news	Bashar Al-Assad 58,609 news	Francois Hollande 57,631 news

2,795 persons

First Prev 1 2 3 4 5 Next Last

Jose Mourinho
Covered in 92,274 news has 105,194 statements.

Appears in: [Dailystar](#) (4,071), [Tribun News](#) (3,953), [Merdeka](#) (3,907), [Vivanews](#) (3,571), [Independent](#) (3,345), and more.

Statements

"Saya ingin menjadi sosok pertama yang memenangi trofi Soccer Aid untuk kedua tim,"

Jose Mourinho
40 minute ago · Bisnis Indonesia

"Sam dan saya akan melakukan kemraan yang sangat bagus dan akan menjadi perasaan yang hebat bagi Claudio untuk akhirnya mengalami kekalahan,"

Jose Mourinho
40 minute ago · Bisnis Indonesia

"Saya ingin menjadi sosok pertama"

Printed News Detail

Related Persons
Ani Derajanya, Bambang P S Brodjonegoro, David Cameron, Franky Sibatani, Joko Widodo, Rizal Sukma, Triawan Munaf

Related Organizations
Badan Ekonomi Kreatif, BKP, Garuda, Garuda Indonesia, Goldman Sachs, JP Morgan Assets Management, Kedutaan Besar Republik Indonesia London, Kerjasama Inggris, London Stock Exchange Group, Parlemen Kerajaan Inggris

Statements

adanya pelebaran perekonomian yang terjadi secara global dimanfaatkan oleh Indonesia menjadi peluang.

Joko Widodo
17 hour ago · Pikiran Rakyat

Ubah Krisis Jadi Peluang
Presiden Joko Widodo Disambut David Cameron

LONDON, (PR) - Menteri Luar Negeri Inggris, David Cameron, menyambut Presiden Joko Widodo di Downing Street, London, pada pertemuan pers yang berlangsung di Istana Buckingham, London, pada Selasa (14/04/2014).

Cameron di Kantor PM Kerajaan Inggris, di Downing Street, London, dalam pertemuan pers yang berlangsung di Istana Buckingham, London, pada Selasa (14/04/2014).

Lokasi di Wisma Nusantara, Kawasan Sunda Baru Republik Indonesia (KRSBI) Lendah, dalam pertemuan pers di Istana Buckingham, London, pada Selasa (14/04/2014).

PERSON CATALOG JOKO WIDODO

TWITTER DASHBOARD STATISTIC TIMELINE ISSUES

Joko Widodo
@jokowi
Tweets 340
Following 59
Followers 4,823,920

Tweeting Since September 03, 2011
Location Jakarta
Web

Description Akun resmi Joko Widodo, Presiden Republik Indonesia

Tweets
Bar chart showing tweet volume over time.

Sentiment Timeline
Line chart showing sentiment (Positive, Neutral, Negative) over time.

Sentiment for March 2016
Pie chart showing sentiment distribution: Positive, Neutral, Negative.

PERSON CATALOG JOKO WIDODO

ONTOLOGY WIKIPEDIA

Number of Objects
10 Person
5 Organization
5 Location

Layout
Standard
Hierarchy
Radial
Structural

On Selected Object
FOCUS ON OBJECT
PROFILE (OPEN)
PROFILE (NEW TAB)

Network diagram showing relationships between Joko Widodo and various entities like Susilo Bambang Yudhoyono, Komisi Pemberantasan Korupsi, and various political parties.

PERSON CATALOG JOKO WIDODO

TV NEWS EXPOSURE TIMELINE ISSUES

Found 7 related tv news

Kiuruh Lahan Sumber Waras
18 April - Metro TV

Kiuruh Lahan Sumber Waras
15 April - MNC TV

Diagram: Lahan Sumber Waras
Circular diagram showing various aspects of land management: Jokowi, Presiden, RUU, Amnesty, Lahan sumber waras, Kabinet, Istana Merdeka, Lawatan Presiden, Memimpin Pemerintahan dan Jakarta.

PERSON CATALOG JOKO WIDODO

ONLINE NEWS

Presiden Jokowi Cerita Soal Blusukan di Depan Para CEO di London
19 minutes ago · Gatra

Presiden Jokowi mengelar pertemuan bisnis berikutnya dalam kunjungan kerjanya ke Inggris. Kali ini bertemu dengan 20 CEO asal perusahaan di Inggris.Pertemuan itu digelar The Fitzroy Suite, Grosvenor House, London, Inggris, Rabu (20/4/2014). Hadir...

IRIGAFI
Irigasi Faktor Kunci Keberhasilan
4 hour ago · Metro TV

Kerjasama Indonesia - Inggris
4 hour ago · Metro TV

Jenderal Tito Perkuat Kerja Sama Internasional Basmi Terorisme
Today · Rakyat Merdeka

Pabrik Keluarga Jokowi Terbakar
Today · SCTV

PERSON CATALOG JOKO WIDODO

TV NEWS EXPOSURE TIMELINE ISSUES

Joko Widodo
Covered in 15,697 tv news

Related TV News
Kerjasama Indonesia - Inggris
2 hour ago · Metro TV

Top Media
Pie chart showing media distribution: Metro TV, SCTV, RCTI, MNC TV, ANTV.

TV News
Bar chart showing TV news volume over time.

Kunjungan Kerja Jokowi ke Eropa
8 hour ago · Metro TV

PERSON CATALOG JOKO WIDODO

WIKIPEDIA INDONESIA ENGLISH

Indonesia 2014. Ditambah lagi, hasil survei menunjukkan, nama Jokowi terus unggul. Pada awalnya, Ketua Umum PDI-P, Megawati Soekarnoputri menyatakan bahwa ia tidak akan mengumumkan calon presiden dari PDI Perjuangan sampai setelah pemilihan umum legislatif 9 April 2014. Namun, pada tanggal 14 Maret 2014, Jokowi memertika mandat dari Megawati untuk maju sebagai calon presiden, tiga minggu sebelum pemilihan umum legislatif dan dua hari sebelum kampanye. [8]

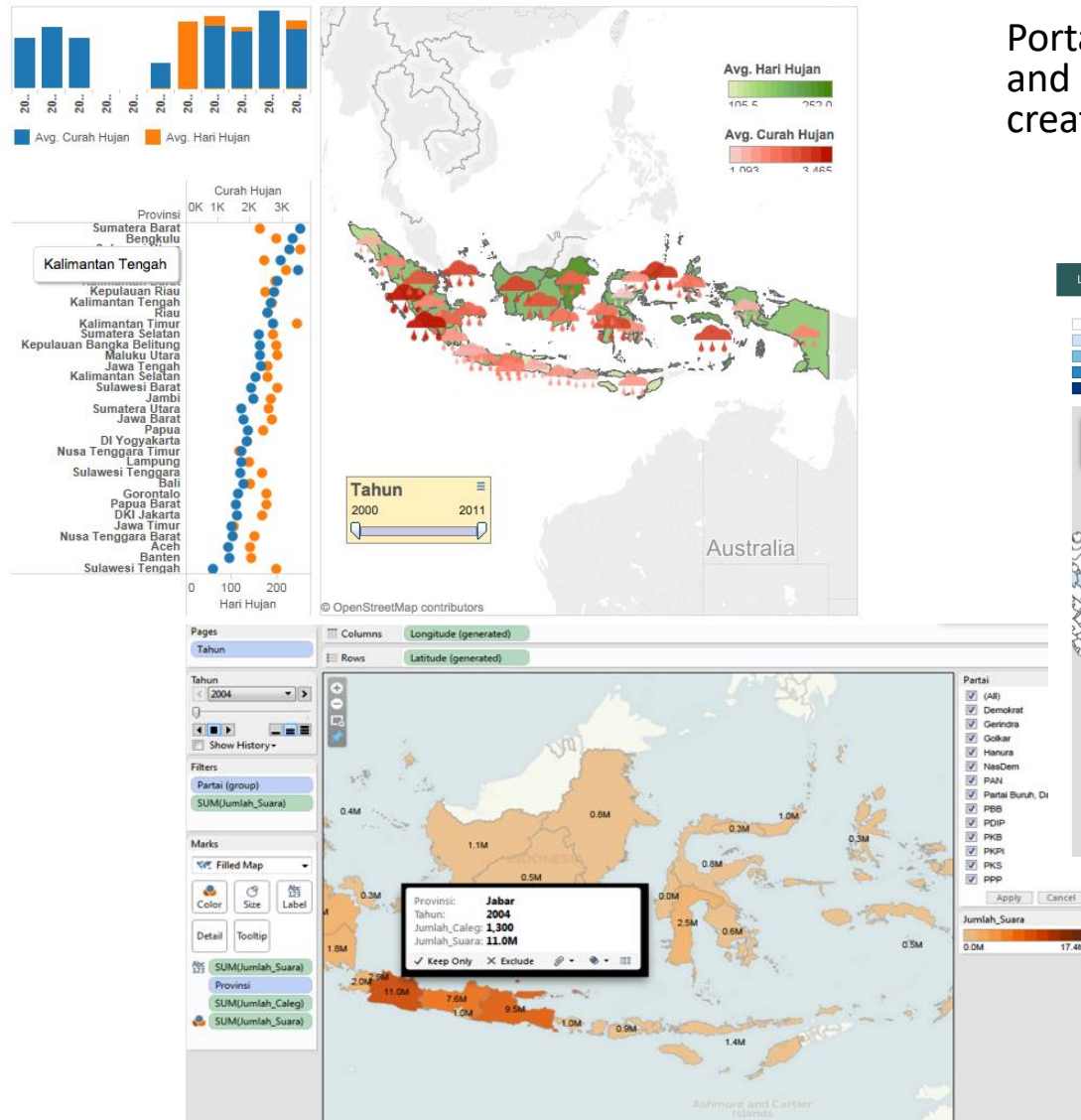
Masa kecil dan keluarga

Joko Widodo lahir dari pasangan Noto Mardiono dan Sudjati dan merupakan anak sulung dan putra satu-satunya dari empat bersaudara. Ia memiliki tiga orang adik perempuan bernama Iri Syarifati, Ika Yati dan Teik Relawati [9], Ia sebenarnya memiliki seorang adik laki-laki bernama Joko Lukito, namun meninggal saat persalinan. Sebelum berganti nama, Joko Widodo memiliki nama kecil Muhyono. [10] Ayahnya berasal dari Karanganyar, sementara kakak dan saudaranya berasal dari sebuah desa di Boyolali. [11] Pendidikannya diawali dengan masuk SD Negeri 111 Tirtoyudo yang dikenal sebagai sekolah untuk kalangan menengah ke bawah. [12]

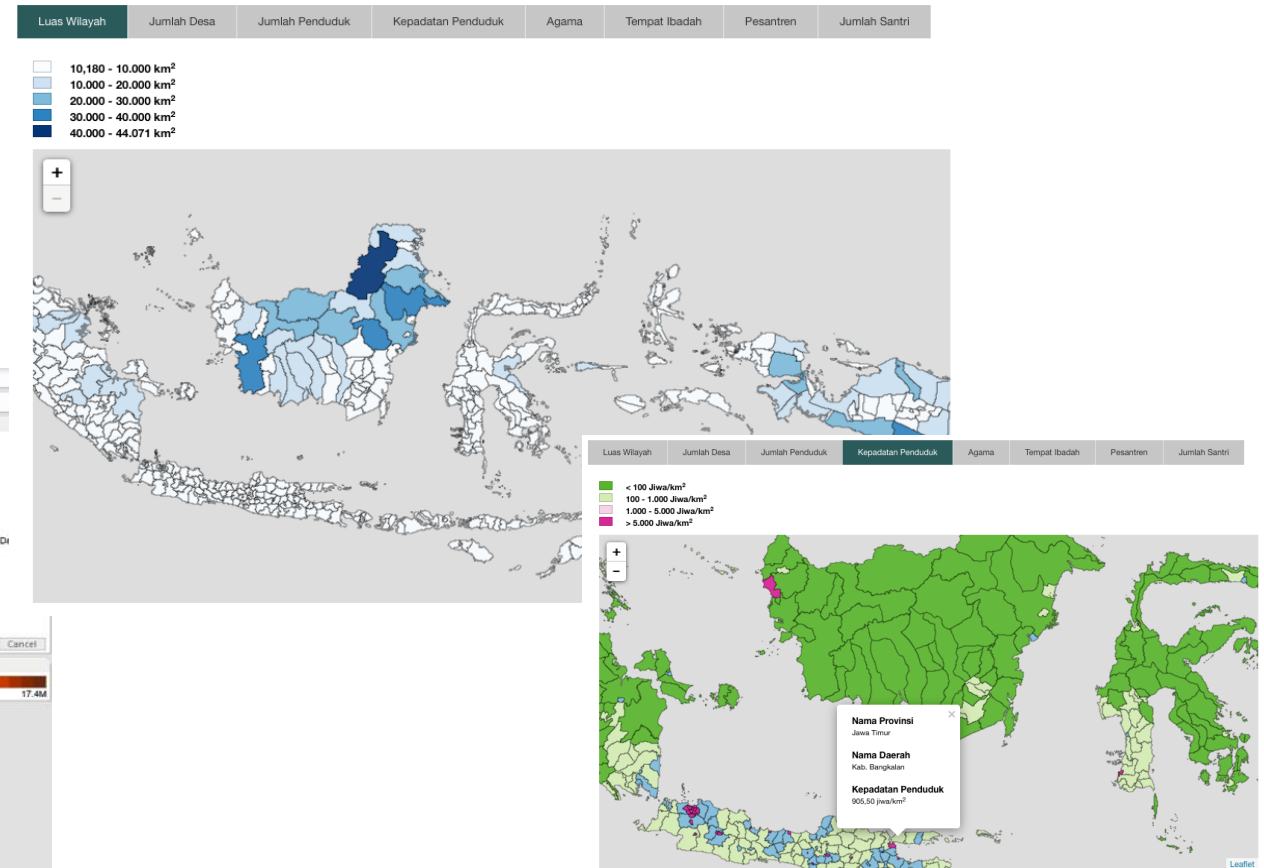
Dengan kasidat hidup yang diilhami, ia terpacu berdagang, mengoprek piknik, dan jadi kuli panggul untuk mencari sendiri keperluan sekolah dan uang jajan sehari-hari. Saat anak-anak lain ke sekolah dengan sepeda, ia memilih untuk tidak berjalan kaki. Mewarisi keahlian bertukang kayu dari ayahnya, ia mulai bekerja sebagai pengengaji di umur 12 tahun. [13] Jokowi kecil telah mengalami pangsunguran rumah sebanyak tiga kali. Pangsunguran yang dilalaminya sebanyak tiga kali pada masa kecil mempengaruhi cara berpikirnya dan kepekaan dirinya kelak setelah menjadi Wali Kota Surakarta saat harus menertibkan permukiman warga. [14]

Setelah lulus SD, ia kemudian melanjutkan pendidikan di SMP Negeri 1 Surakarta. [15] Ketika ia lulus SMP, ia sempat ingin masuk ke SMA Negeri 1 Surakarta, namun gagal sehingga pada akhirnya ia masuk ke SMA Negeri 6 Surakarta. [14]

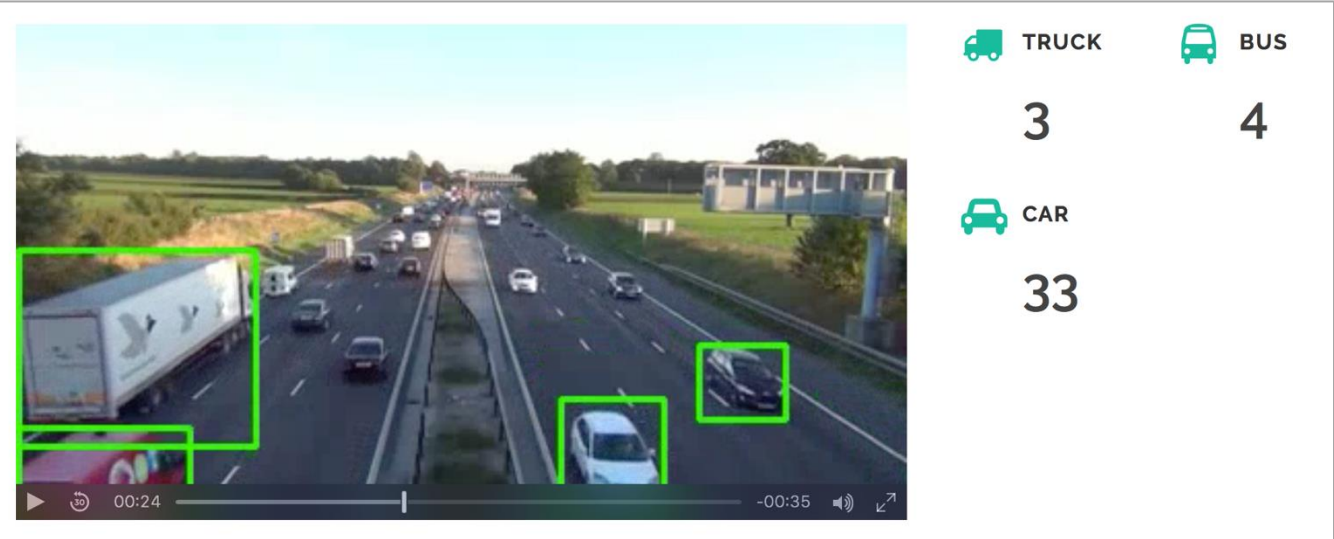
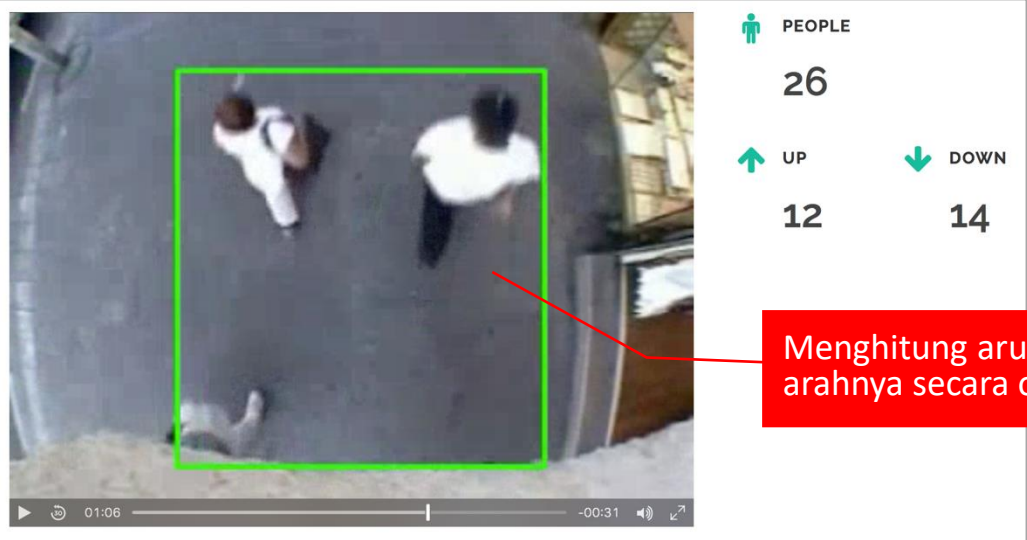
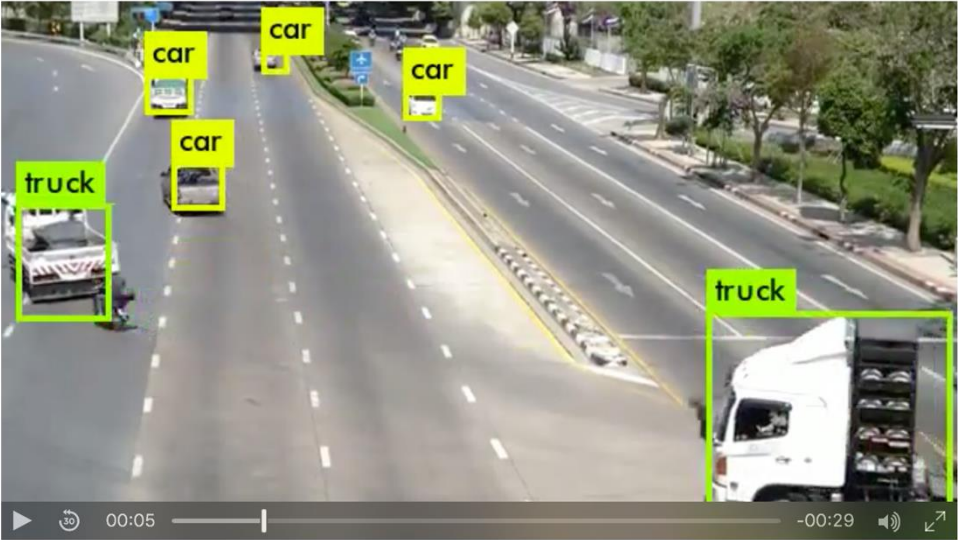
Intelligence Portal Data



Portal data enables users to search, explore, relate, download and reuse data in the repository, with visualization tools to create data presentation.



CCTV Analysis



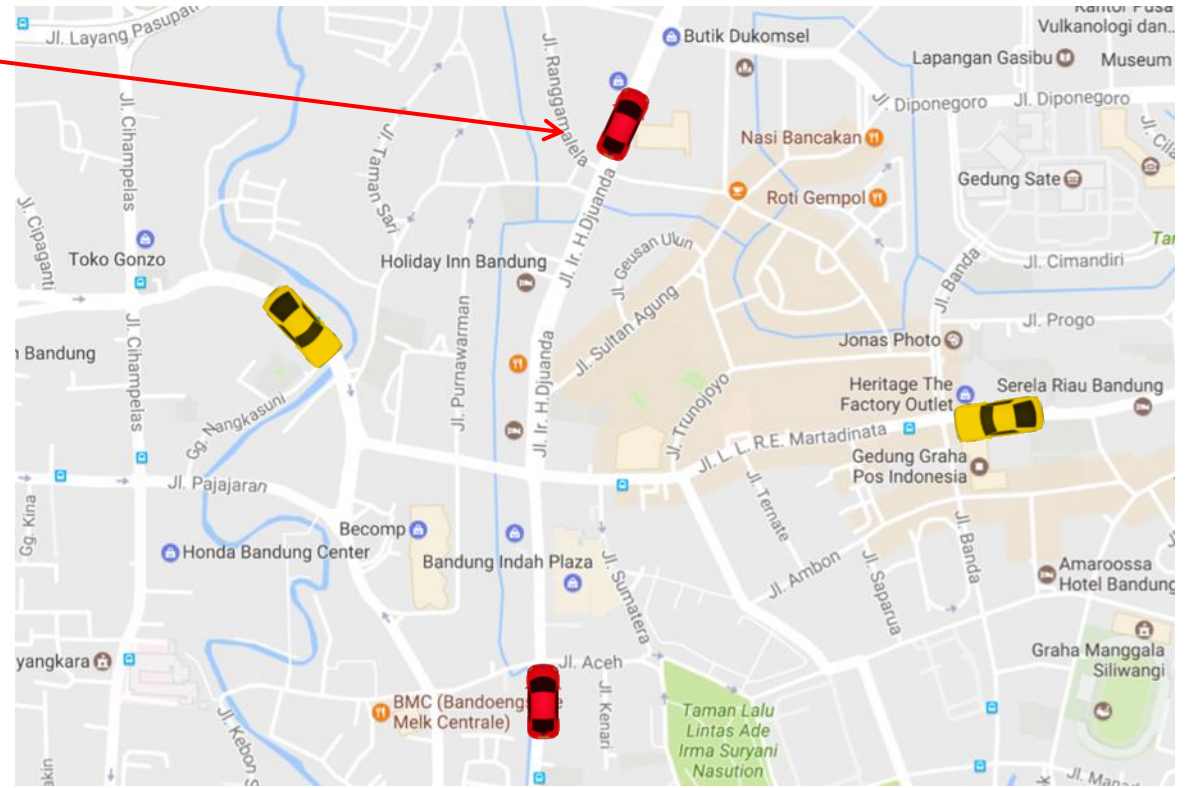
Analysis of CCTV video can be used to monitor the movement of people and vehicles. For example, counting the number of vehicles such as motorcycles, automobiles, transportation, trucks, buses, so that the load path can be calculated accurately.

Enabled smart traffic flow planning. Create flexible schedule traffic lights by studying the traffic density.

Smart Transport / Mobility



CCTV analysis : **object** angkot Kelapa - Dago, **direction** Dago, **speed** 20 km/h





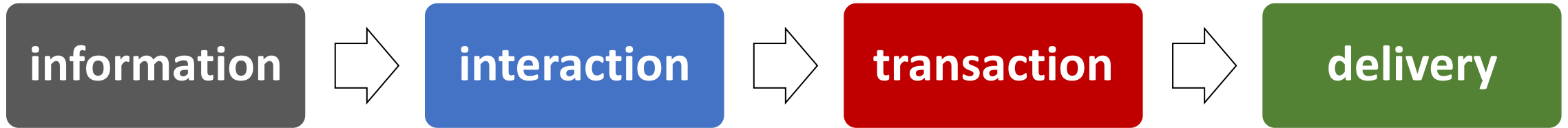
Smart Business

- Local E-commerce
- Local C2C Portal
- Local B2C Portal
- Local B2B Portal

- Job & recruitment market
- Property market
- Automotive market
- Services

- Advertising
- Sponsorship

Stages of Commerce



- **INFORMATION:**

- Preliminary data were taken by crawler machine from Google and other related commercial sites
- Data will be gathered from field survey

- **INTERACTION :**

- Data will be registered by public, starting from public info, location, topic of interest, fashion and other commercial activities

- **TRANSACTION :**

- Service order and payment

- **DELIVERY :**

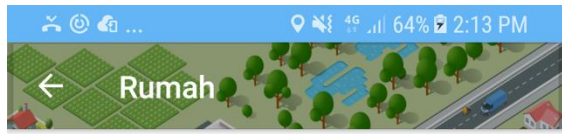
- Local delivery



Smart City Mobile Apps

Local manpower platform

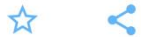
Local eateries, improved through public review



Griya Pratama Asri
10 hari yang lalu
Rp. 135.000.000
rumah123.com



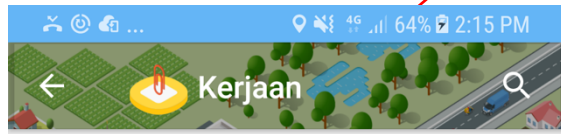
RUMAH
13 menit yang lalu
Rp. 195.000.000
rumah123.com



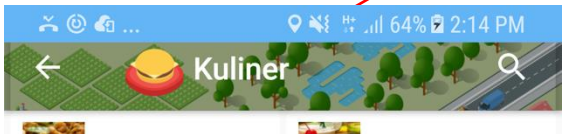
rumah bagus klaten
Rp. 185.000.000
rumah123.com



Rumah Cocok Untuk
Rp. 1.400.000.000
rumah123.com



- | | |
|-----------------------------|------------------------------|
| Admin & HRD | Asuransi |
| Desain | Hotel, Restoran & Parawisata |
| Ilmu Pengetahuan, Kesehatan | Kesehatan |
| Manufaktur | Media & Periklanan |
| Pendidikan & Pelatihan | Perawatan Kecantikan |
| Perdagangan & Pembelian | Teknik |
| Telekomunikasi | Transportasi & Logistik |
| Lainnya | Akunting |
| Bangunan & Konstruksi | Hiburan |
| Hukum & Legal | Jasa & Layanan Profesional |
| Manajemen | Marketing & Pemasaran |



- | | |
|--------------|-------------|
| Bakmie | Minuman |
| Sate | Roti |
| Seafood | Coffee |
| Soto Dan Sop | Bakso |
| Lain-lain | Lihat semua |

Pilih jenis tempat makan yang Anda cari

- | | |
|--------|----------|
| Cafe | Restoran |
| Warung | PKL |

Terbaru



Warung Makan Bu Y...



Sate Kambing Mbah...



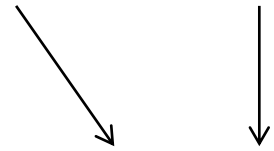
SMARTCITY

SmartCity Implementation

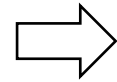
eBdesk Smart City Concept

- Focusing on public services through apps such as Smart Economy, Smart Mobility, Smart Commerce, Smart Jobs, Smart Property
- Focusing on execution, not limited to information, to improve the residents living standards and day-to-day activities
- **Location Based Services (LBS)**, leveraging location-based information to improve local economy
- **Data is made available** through automated robots
- Smart and **FUN CITY** – to attract the youths with the use of social media (status, chat, sharing), city game and etc.
- **Automated process** and data analysis by used object and facial recognition, NLP, Real time analytics & predictive

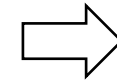




1 know the apps



2 keeps the apps



3 use the apps

Download and install

Don't uninstall

Use everyday



Interface

Information

Updates

Interaction

Economy

Fun

eBdesk Smart City

managed by Government

Smart Citizen



- Smart Info
- Smart Reporting
- Smart Mobile Economy
- Smart Transport
- Smart Commerce
- Smart Jobs
- Smart Property
- Smart Health
- Smart Education

Smart Government

- Intelligence Media Management
- Intelligence Perception Analysis
- Intelligence Profiling System
- Intelligence Portal Data

- CCTV Analysis
- Alerting Systems
- Smart City Sensors
- Smart City Portal
- Business Intelligence



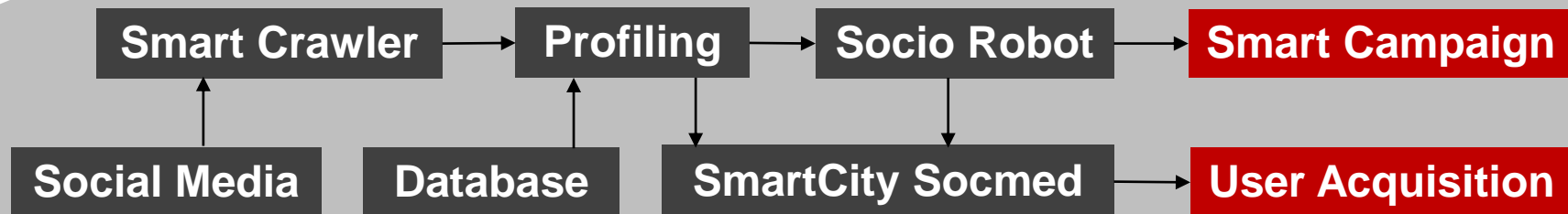
Smart Business



- Local C2C Portal
- Local B2C Portal
- Local B2B Portal

- Job & recruitment market
- Property market
- Services

- Advertising
- Sponsorship



managed by eBdesk