OTHER PRODUCTS

DESCRIPTION

In addition to standard products, WIKA Beton is also capable of producing customized products according to varying customer designs, accommodating materials with specific specifications and particular precast concrete shapes. Quality control measures taken during material arrival, production processes, and product inspections ensure that the delivered products meet all quality aspects. The use of steel molds guarantees precise production results and a good surface finish.

Tunnel Lining Segmental

Hollow Girder Segmental

Aesthetic Parapet

Median Concrete Barier (MCB)

Precast Box Traffic

Rigid Pavement

Pier Precast

L Shape Retaining Wall

Sewarage Manhole

Irrigation Linning

Floating Dock

Industrial Structure

READY MIX CONCRETE

Ready mix concrete (RMC) is concrete that is produced in a batching plant according to the specific needs of a project and then delivered to the job site in a "ready-to-use" state. Ready mix concrete can support infrastructure projects such as roads and buildings, among others. WIKA Beton is capable of providing all grades of concrete with an agreed job mix formula. WIKA Beton can also supply special concretes such as Self Compacting Concrete (SCC), Mortar Foam Concrete, Porous Concrete, and Normal to High Strength Performance Concrete.

13 Batching Plant

Production Capacity
- 1.300.000 m³/year
- 2.900.000 ton/year

270 m³/hour
90.000 - 300.000 m³/year

90 m³/hour
50.000 - 150.000 m³/year

60 m³/hour
20.000 - 70.000 m³/year

CONCRETE PAVER SERVICE

Paver Type :
- 4 Units SP-500
- 2 Units SP-64

Specification :
- Pavement Wide 6 m
- Dowel Bar Inserter

PROJECT REFERENCE

Balikpapan - Samarinda Toll
East Kalimantan

Jakarta - Bandung
High Speed Railway Project

MATERIALS

The quarry business segment is part of concrete production process managed by WIKA Beton, in which the activities include the mining and production of split stones, screen, other materials.

Product Types :

● **BOULDER**
Large rock chunks with dimensions > 25 cm and weight ranging from 200 kg to 2 tons.

● **SUBBASE LAYER & BASE LAYER**
Mixture of split stones and stone dust with specific compositions used for pavement foundations.

● **TOP SOIL**
Used for earthen embankments in building structures or highways.

● **MATERIAL STONE CRUSHER**

▶ These products can be used for :
- Concrete aggregates
- Subbase and base layer pavements
- Hot mix/asphalt aggregates
- Railway ballast

▶ Split Stone 3-10 (Ballast/Weight)
▶ Split Stone 2-3
▶ Split Stone 1-2
▶ Screenings
▶ Stone Dust

WTON SHMS
WIKA Beton Structural Health Monitoring System

WIKA Beton Structural Health Monitoring System (WTON SHMS) is a monitoring system develop by PT Wijaya Karya Beton Tbk. The system being developes is a hardware consisting of sensors, acquisition devices, data transmission, and a sofware system consisting of data processing systems, data management and structural evaluation.

Structural Health Monitoring System (SHMS) is a popular method to detect degradation of structural strength or damage at bridges. This method uses instrumentation tools to detect actions on structures, such as structure behavior, live load (traffic load, train load etc.) occuring, well as action from nature.
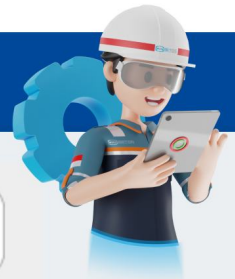
The purpose of the SHMS is very diverse, for example, for the natural data collection, giving warning to bridge users, and notifying structure problems.

ADVANTAGES WTON SHMS

- One system for all sensor
- Integrated data and realtime
- Pre-processing, small data delivery
- Data not connect to the foreign Country
- Local data can be accessed and downloaded
- Data remains save if offline, will be resend after active network
- Native Android Application

FEATURES

- Accelerometer
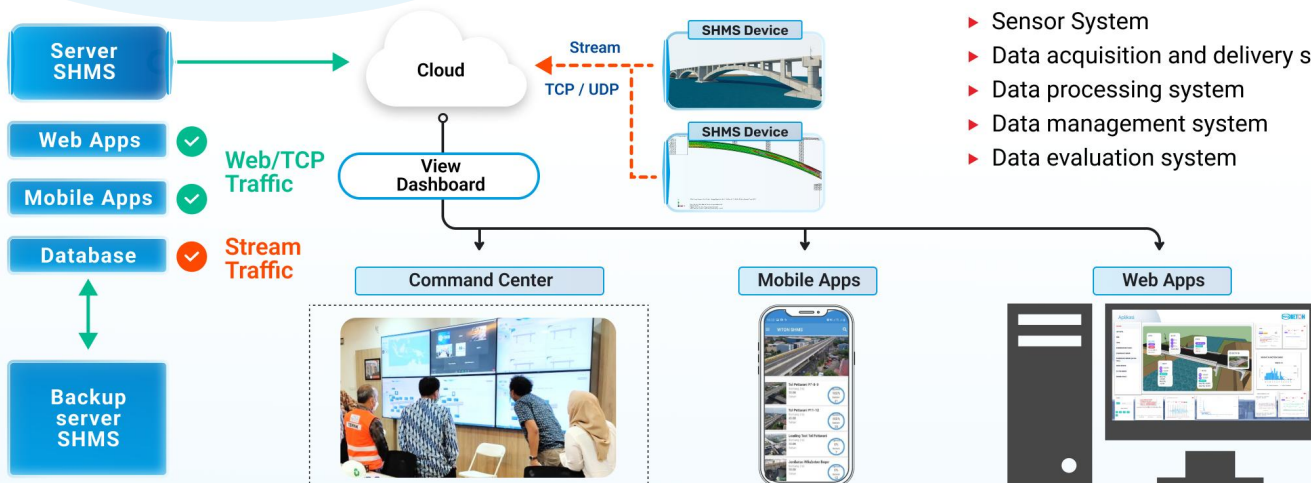- Displacement
- Strain Transducer
- Tiltmeter
- ATRH

PROCESS DIAGRAM WTON SHMS

Server SHMS

Web Apps

Mobile Apps

Database

Web/TCP Traffic

Stream Traffic

Backup server SHMS

Cloud — Stream TCP / UDP — SHMS Device — SHMS Device

View Dashboard

Command Center

Mobile Apps

Web Apps

APPLICATION SOFTWARE

- Sensor System
- Data acquisition and delivery system
- Data processing system
- Data management system
- Data evaluation system

PROJECT REFERENCE

AP. Pettarani Toll

Mrawan Tunnel