



# PT Pupuk Kujang

## Project description

Project location : Kujang Industrial Area, Cikampek.

PT Pupuk Kujang was founded on June 9, 1975 with a fund of US\$ 260 million is a loan from the Iranian government of US\$ 200 million, as well as government equity participation (PMP) Indonesia of US\$ 60 million. The loan to the Iranian government was repaid in 1989. The construction of the first Kujang fertilizer plant, later named Kujang 1A plant with a production capacity of 570,000 tons/year of urea and 330,000 tons/year of ammonia, was carried out by prime contractors Kellogg Overseas Corporation (USA) and Toyo Engineering Corporation (Japan). The construction of Kujang 1A factory was successfully built for 36 months and was inaugurated by the President of the Republic of Indonesia Soeharto on December 12, 1978. PT Pupuk Kujang is a subsidiary of SOE Pupuk in Indonesia, PT Pupuk Indonesia Holding Company.

In accordance with the instructions of the letter of the Director General of Infrastructure and Agricultural Equipment Ministry of Agriculture No. 712 / sr.130 / b.5 / 8 / 2011 on August 23, 2011 regarding the coloring of Subsidized Urea fertilizer, PT Pupuk Kujang as of January 1, 2012. The color of Subsidized urea fertilizer becomes pink (pink). The goal is that fertilizer supervision can be easier. The fertilizer dyes used in this process use Food-edible-grade materials or safe for consumption, non-toxic to plants, do not change the nutrient content in fertilizers, and are in accordance with the Indonesian national standard (SNI).

## Project Requirements:

### Access Control Solution

The company is engaged in the field of the national fertilizer industry and become one of the national vital objects, Our client needed an entrance that can block or restrict access into the factory area for security reasons and as an entrance for guests and employees into the factory area. The client decided to choose Full Height Turnstile in order to control access to the factory environment and our client wanted to have a reliable and convenient entrance control system, so they had some specific requirements: Comfortable for all employees to enter, Elegant appearance and fast software verification to enter the area.

Therefore this verification method aims to apply to guests and employees who want to enter the factory area must register first and will be given an access card to enter.

### Parking System

PT Pupuk Kujang has some special requirements, namely wanting to have a fast and secure parking verification system due to having many employees, requiring easy, fast, and essential access. CMP-200 series is a high-performance and high-speed barrier gate. It has a high temperature-resistant control panel, has an impact-resistant protection design on the boom connector.



**System Integrator** : PT Ferbe Berkas Teknologi



Sistem	Model	Type	QTY
Access Control	Full Height Turnstile	FHT2400D	1
		FHT2300D	4
	Controller	In Bio Pro 160	10
		In Bio Pro 460	7
Parking System	Parking Barrier	KR600-E	54
		CMP 200	7
Software	Access Control Software	ZKBioSecurity VR5000	

## Functional Description

- FHT (Full Height Turnstile) series FHT2300D and FHT2400D are stainless steel casing, which provide corrosion resistance and durability. The input voltage for these full-height turnstiles is AC110V/220V, 50/60Hz.
- Parking gates with CMP200 Series are an easy solution for installation, cheaper, and more accurate to replace traditional detection loops. With ZKTeco interactive LED chassis design, programmable control panel, high-efficiency Brushless DC motor, and SCM421 material gear transmission structure. It has the advantages of fast speed, stable quality, rich expansion of functions, and so on. This is a much more comprehensive barrier gate.
- InBio Pro Series IP-based biometric access Control Panel The InBio Pro Series is a project-oriented high-end product with unique tours such as embedded fingerprint verification and advanced access control functions, which can be managed by TCP / IP communication via LAN or WAN network.
- KR600E is a 125KHz EM Wiegand Card Reader or 13.56 MHz IC card reader Wiegand interface
- ZKBioSecurity VR5000 is the premier "All in One" web-based security platform developed by ZKTeco. It contains several integrated modules: access control, time attendance, elevator control (online/offline), hotel modules, visitor management, parking, guard patrols, and video relationships. With an optimized system architecture designed for high-level biometric identification and a modern user-friendly UI, ZKBioSecurity VR5000 provides the most advanced solutions for the new user experience.