PT TERMINAL TELUK LAMONG
THE FIRST GREEN PORT IN INDONESIA
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Presentation Outline:
1. Terminal Teluk Lamong as a sustainable and green port.
2. Automation as a key to increase productivity and efficiency.
WHY WAS TELUK LAMONG BUILT
COMPARISON OF GOODS DISTRIBUTION AND CAPACITY IN TANJUNG PERAK (2008 – 2012)

- **CONTAINER (BOX)**
- **DRY BULK (TON)**
- **LIQUID BULK (TON)**
- **GENERAL CARGO (TON)**

Graphs showing the distribution and capacity of different types of goods from 2008 to 2012.
Green

TRIPLE BOTTOM LINE (THREE PILLARS OF SUSTAINABILITY)

ECONOMIC ASPECT:
- GROWTH
- COST
- UNDEREMPLOYMENT
- REVENUE

SOCIAL ASPECT:
- CHARITABLE CONTRIBUTION
- FAIR TRADE
- EMPLOYEE WELFARE

ENVIRONMENT ASPECT:
- RESOURCES
- CONSUMPTION
- LAND USE
- WASTE MANAGEMENT

Business Sustainability
PT TERMINAL TELUK LAMONG AS GREEN TERMINAL

RESULT (COMPLIANCE)
- AMDAL: RKL-RPL
- AIR: Quality check Air Ambient
- WATER: IPLC
- HAZARDOUS WASTE: TPS B3, RF

EFFORT (BEST PRACTICE & TECHNOLOGY)
- ENVIRONMENTAL MNGMNT. SYSTEM: ISO 14001 Pollution Alert System, Oil Spill Response
- ENERGY: ISO 50001, Cold Iron, Benchmarking
- EMISSION: ISO 14064, CDM/Carbon Trade
- WATER: Water Utilization
- HAZARDOUS WASTE: Reuse & Reduce, Hazardous Waste, Benchmarking
- 3R WASTE: TPS 3R Benchmarking
- BIODIVERSITY: Biodiversity Inventory, in situ, ex situ, Publication
- BIODIVERSITY: Social Mapping/CAP, GKPM, CSR Award
THE FIRST GREEN PORT
IN INDONESIA
ECO FRIENDLY TECHNOLOGY
- CNG Truck
- Using Electrical Equipment
- Build CNG Power Plant
- Light Emitting Diode (LED) Lighting
- Solar Cell

MATERIAL RECYCLE
- Applying Exhaust Gas for Air Conditioner

ENVIRONMENTALLY AWARENESS
- Mangrove Plantation
- Not using fossil energy
- Supporting environmental activities

WASTE MANAGEMENT SYSTEM
- Waste management System
- Incinerator
- Oil Water Separator
- Oil Spillage Respond

Green PT TERMINAL TELUK LAMONG AS GREEN TERMINAL
ULTIMATE PHASE OF PT TERMINAL TELUK LAMONG
TRANSPORTATION
INTEGRATION
CONCEPT
TOLL ROADS

INTEGRATION TOLL ROADS

[Map showing integration of toll roads with labels for Gresik, Surabaya, Worr, Teluk Lamong, and Jalan Nasional, Jalan TOL Existing, and Rencana Jalan Flyover.]
AUTOMATION AS PRODUCTIVITY SOLUTION
Benefits
1. To increase terminal productivity at a constant level of quality.
2. To increase the level of safety.
3. To increase the level of efficiency and the accuracy.
Automated Stacking Crane specifications:

1. Twice RTG Productivity
2. 1 Person can operate 3-4 ASC at the same time.
3. Electricity-Powered and environmentally friendly.
4. SWL 40 Tons under the spreader.
5. 270 meters per minute gantry speed.
6. Controlled from the tower, there’s no operator inside the ASC. (for safety reasons)
CTIV Full Automated CTT Systems
Thank You