



# Sustainability Practices in the Asphalt Industry

# A Definition

Profitability is pursued with  
due consideration for the  
Planet and its People

# What Does It Mean ?

Sabita will sustain its efforts to ensure that the industry it represents considers achievement of profitability alongside:

- impact on human wellbeing
- potential damage to the environment

# Steps to Achieve this Goal

- 1 Ensure local practice has access to global best available technology
- 2 Encourage human capacity development.
- 3 Introduction of a HSE certification scheme as an element of the HSE charter.
- 4 Production of comprehensive guidelines on the safe/responsible handling of bituminous products.
- 5 Accurate assessment & portrayal of how industry's products and services are conducive to sustainable practices.

# 1. Best Available Technology

- **Global Peer review**
- **Establishment of a Global Strategic Alliance**
  - HSE
  - Engineering and Technology development
  - Keeping abreast of change & trends in global mkts.
  - Marketing & Promotion of asphalt
  - Training and education within the industry
  - Agreed R & D goals and objectives.

## 2. Human Capital Development

### ➤ **AsAc**

- Formulate/develop & deliver training programmes
- Promote continuous professional development
- Advance best practice in education & standards

### ➤ **LCEP**

- Local councilor awareness and knowledge transfer

# 3. HSE Certification

## ➤ Structure

- An independent audit process.
- Establishment of National Safety Benchmarks.
- Encourage competitive initiatives in this arena.
- This is seen as a “stay in business” imperative.

# 4. Operating Guidelines

- **A comprehensive range – regular updates**
  - Construction methods
  - Safe handling of materials
  - Standards and testing
  - Quality management
  - Product manufacture & application



# 5. Sustainable Practices

## ➤ **Definition:**

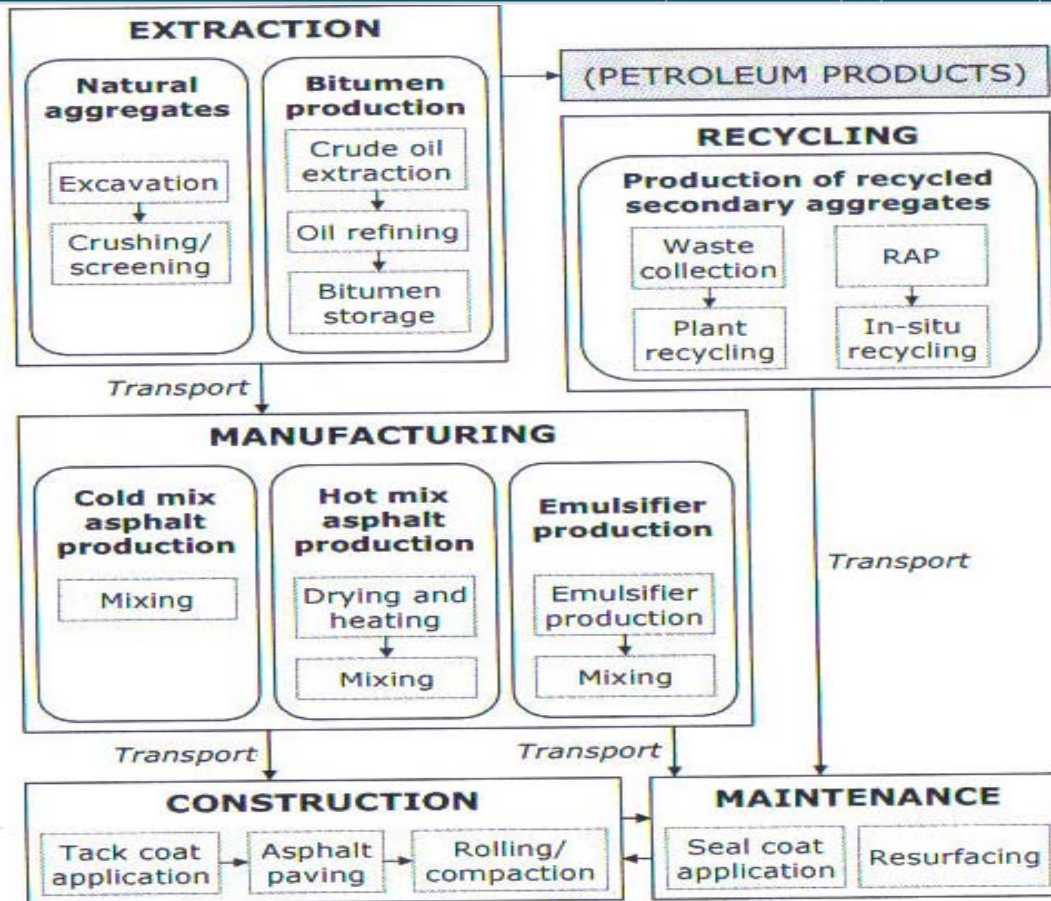
Producing a pavement that meets all required standards & performance criteria whilst :

- reducing natural resource consumption
- reducing emissions
- reducing energy consumption

# Sustainable Practices Cont.

- Building or rehabilitation of roads using bitumen emulsion & foamed bitumen.
- Develop best practice guidelines for using reclaimed asphalt pavements in new HMA
- Declassification of bitumen as hazardous waste
- Carbon footprint and energy reduction project.

# Sustainable Practices Cont.



Reference Source: MARC:- T D Miller & H U Bahia

# Sustainable Practices Cont.

- **Project Structure**
  - Monitoring Requirements
  - Carbon Footprint Calculation Tool
  - Site Survey
  - Benchmarking
  - Reporting



**A road is a key component  
in the  
sustainable development  
of society**

**Thank You**