



Yona PMS

INTERNATIONAL LTD

The YONA Group

- **Founded in 1992**
- **Composed of:**
 - **Yona- Engineering Consulting & Management Ltd**
 - **YonaPMS International Ltd**
 - **Macabim- Pavements & Structures Engineers Ltd**
- **The YONA Group specializes in Pavement design, maintenance, rehabilitation, surveying, QA/QC, project management and pavement materials, for highways, railroads and airports infrastructures.**

What is SmartVision?

SmartVision is a GIS supported video system for pavement & transportation asset –

- **Elaborating maintenance management to optimal budget allocation plans ,**
- **Verification of new construction according design and specifications,**
- **Compering pavement's and ROW (Right Of Way) situation between two periods of time.**

What is Smart Vision for?

- **Monitoring of transportation infrastructure behavior over time**
- **Inventories of pavement and Right-Of-Way elements availability and condition**
- **Building optimal maintenance investment plans with maximum savings under budget constraints**
- **Prioritization of budget allocation based on engineering, economic, safety and social considerations**

How is it done?

Four basic modules:

- **Field data collection with multifunctional vehicle (Video, GIS, Roughness, Rutting, etc.)**
- **Data processing and analysis in the office (inventories, surveys, statistics, etc.)**
- **Development of optimal maintenance work-plans based on client's policies, strategies and available budget**
- **Build up of historical data bases for future reference and calibration**

What is SmartVision good for?

- Money savings by generating optimal engineering/economic/safety maintenance solutions and timing using limited available budgets
- Time savings for decision makers as all relevant information is at hand
- Avoiding mistakes and “lose face” as all decisions are strongly supported by reliable data and solid methodology

What is SmartVision experience?

- **Israel**
 - Annual surveys since 2006 for PWD
 - Periodic surveys for all Israeli Air Force airfields since 2007
 - Urban surveys since 2003 in Tel Aviv, Ramat Gan, Herzlyia, and more.
 - BOT Projects planning maintenance activities over time during the contract period and reporting to the ministry
- **Brazil** – 55,000 km of surveys since 2011. Two SmartVision units operated by local partner
- **Nigeria** - One SmartVision unit operated by local government agency since 2012
- **Peru** – 5,000 km in 2005 and one SmartVision unit operated by local firm since 2013.
- **Argentina** – 1,500 km of collection of field data, engineering and investment program for PPP program developed by the Argentinean Government, 2018.
- **Vietnam** – Supply of 1-3 multi – functional vehicles for field data collection and interpretation for the Ministry of Transportation. Financed by the World Bank, 2019.



Thank you