

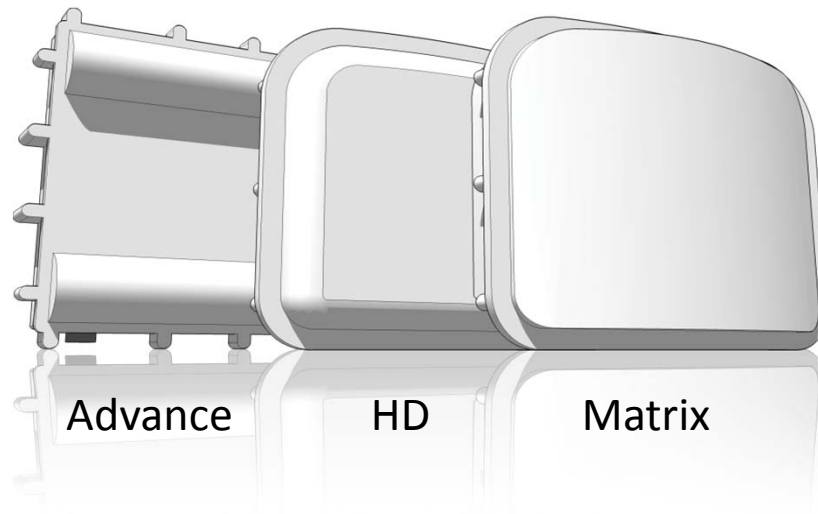
# Wavetronix SmartSensor Matrix

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Twincrest Technologies

# Wavetronix History

- Company Formed in 2000 by Dr. David Arnold
- Currently 100+ Employees (50+ Engineers)
- Market Leader in Radar Based Traffic Sensor

# SmartSensor Family

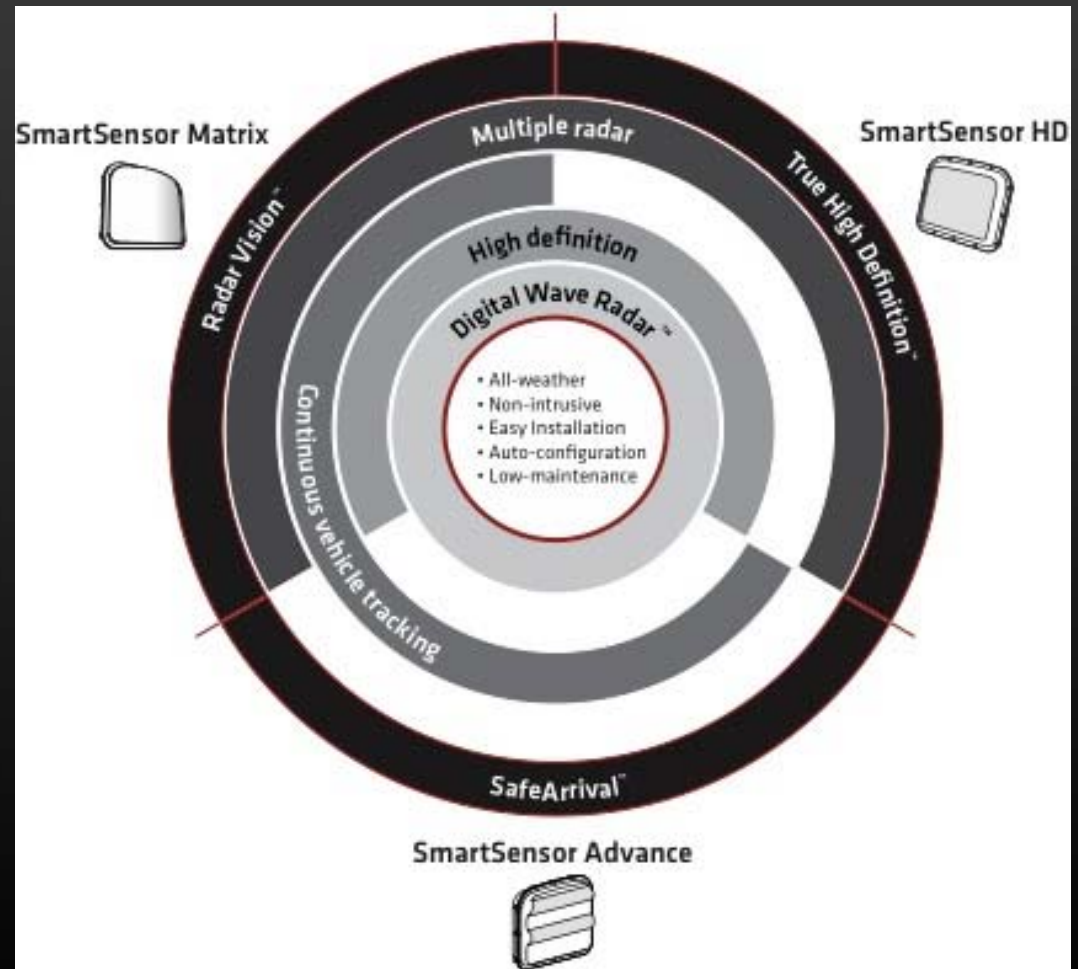
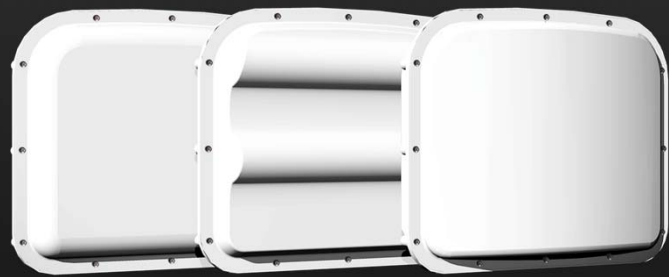


Advance

HD

Matrix

# SmartSensor Core Technologies



# SmartSensor Matrix

- Radar Based Stop-Bar Detection
- Released 1Q 2009
- Uses Ranging Radar to Detect Moving and Stopped Vehicles

# Reasons for Choosing Matrix

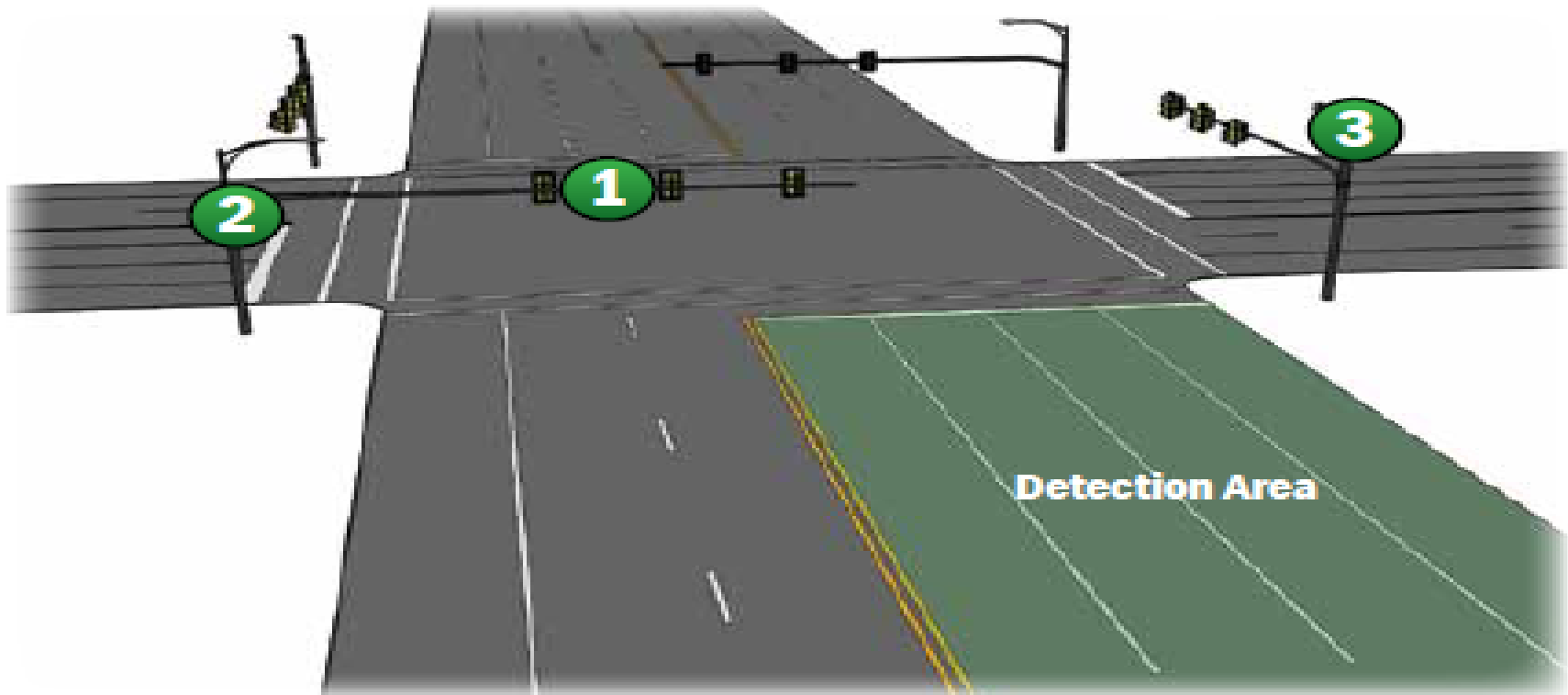
- Ease of Installation
- Less Intrusive
- Radar Reliability
- True Presence
- Low Maintenance

# Ease of Installation

- Pull Wire
- Mount Brackets
- Hang Sensors and Align
  - All at One Time
- Connect Cabinet Wiring
  - Color Coded Wire and Connectors
- Configuration

# Sensor Placement

## Mounting Location



- Mount sensors on both sides of the intersection to achieve sufficient coverage at very large intersections.



# Matrix Google Earth Overlay



# Less Intrusive



# Easy Integration



# Radar Reliability

- Used in Military and Marine Applications
- Matrix Based on Wavetronix FMCW Radar
- Unaffected by Weather
- Unaffected by Wind
- Unaffected by Light Changes

# Low Maintenance

- Sensors Require No Cleaning
- Not Affected by Minor Pole Shifts
- 2-Year Warranty with Additional 3-Year Extension if Desired

# Questions/Comments