QUALITY MANAGEMENT:

"IEM will meet our customer's needs with innovative products while we improve our business"

This formal Quality Policy drives IEM's commitment to providing a quality product or service to each of our customers. Our ISO 9001:2008 certified Business Management Plan sets forth nine Key Business Processes that are governed by explicit procedures and work plans to assure that we meet customer needs and that we continue to improve our business practices. The Key Business Processes include:

Engineering	Purchasing
Production	Administration
Organization Management	Infrastructure
Business Development	Knowledge Innovation
Customer Relations	and Management

STRATEGIC PARTNERS:

IEM collaborates on virtually all projects with experts in relevant areas. Over the years IEM has established a large number of strategic alliances with universities, federal research laboratories, federal and state government agencies, and both small and large corporations.

IEM corporate headquarters located in a restored 19th Century industrial building in Troy, NY

International Electronic Machines Corporation has provided transportation safety and security solutions for more than 20 years. IEM serves freight rail, transit, intelligent transportation system, defense, and security markets with core technical competencies in machine vision and video analytics, non-destructive evaluation, thermal imaging, wireless sensors and sensor networks, and robotics. We invite you to explore IEM and discover the many ways we can meet your needs.

For additional information on IEM and how we can best serve your specific needs, please contact us at:

IEM Corporation
850 River St.
Troy, NY 12180-1239
USA

518-268-1636
518-268-1639 (fax)

www.iem.net

International Electronic Machines Corporation
WISE Solutions for Transportation Safety & Security

International Electronic Machines Corporation

WISE Solutions for Transportation Safety & Security

Experience.
Creativity.
Collaboration.
Innovation.
Responsiveness.

MISSION:

IEM develops, produces, and markets innovative imaging, optical and other sensor-based systems for safety and security applications for intelligent transportation system applications. By combining innovative sensor systems with advanced software, IEM creates intelligent solutions for use in vehicle inspection, security monitoring, maintenance activities, and more. IEM leverages research and development for the Department of Defense and other government and industrial partners to develop core technologies.

SERVICES PROVIDED:

IEM offers a complete range of services including:
- Research & Development
- Product Engineering
- Software Development
- Manufacturing
- Sales and Marketing
- System Installation
- Post Installation Service
- Remote Data Management

MARKETS SERVED:

IEM provides a combination of products based on proven technology and advanced research & development for the following primary markets:
- Freight Railroads
- Transit and Passenger Rail
- Intelligent Transportation Systems
- Defense
- Security Surveillance and Monitoring
- Robotics

CORE COMPETENCIES:

IEM meets our customer's needs through a combination of past experience, cutting edge research & development, and a deep understanding of technical challenges and solutions. IEM has developed core competencies in several important technologies relevant to our intended markets.
- Machine Vision and Video Analytics
- Infrared and Thermal Imaging
- Wireless Sensors and Sensor Networks
- Power Harvesting
- Robotics

FACILITIES:

IEM is headquartered in a 30,000 square foot restored historic building located in Troy, NY. IEM offers a variety of specialized laboratory spaces for product development and production, including:
- Railroad Room
- Machine Shop
- Manufacturing Space
- Sensor and Instrumentation Lab
- Optics Laboratory
- Robotics Lab

INTELLECTUAL PROPERTY:

IEM holds more than 15 US Patents and has numerous other pending patents. For specific information on IEM's IP Portfolio, please contact us. Patents include a broad range of technologies covering all areas of IEM core competencies and product lines.

Freight Rail

In-Ground Systems
  WISE™
  Wheel Profile
  Brake Measurement
  Wheel Flaw Detection
  Bearing Condition
  Flat Spot/Out of Round
Portable Devices
  Electronic Wheel Gauge
  Laser Wheel Profilometer
  Laser Rail Profilometer
  Wheel Diameter Gauge
Integrated Data Management
  WISE AQS Wheel Management
  Remote Client
Car and Locomotive Monitoring
  SmartCar™ System
  WISENet™
  RailPower Suite™

Transit and Passenger Rail

In-Ground Systems
  WISE™ for Transit
  Wheel Profile
  Brake Measurement
  Wheel Flaw Detection
  Bearing Condition
  Flat Spot/Out of Round
Portable Devices
  Electronic Wheel Gauge
  Laser Wheel Profilometer
  Laser Rail Profilometer
  Wheel Diameter Gauge
Integrated Data Management
  WISE AQS Wheel Management
  Remote Client
  Ride Quality Sensor System

Intelligent Transportation Systems

Commercial Motor Vehicles
  SIRIS™ Thermal Inspection
  IDEAS™ Dimensioning System
  Advanced Weigh-in-Motion
  ComVIS™
Highway Safety
  Smart Grade Crossing Monitor
  Video-Based Visibility System

Defense

Condition Based Monitoring
  SAWS™ Smart Adaptable
   Wireless Sensors
  Intellipenny™
  Dynamic Generation™ Torque
   Measurement
Situational Awareness
  Panoramic Field of View Imaging
  Wide Angle Thermal Imaging
  Smart Video Module

Security & Environmental Monitoring

TranSentry™
  Yard Security
  Bridge & Tunnel Security
  Platform Security
  Trespass Detection
Smart Sensor Security System
  Aircraft Ground Sentinel
  In-Cabin Security for Aircraft
Environmental Monitoring
  Intelligent Flamefinder Detection
   and Alert System
  Integrated Sensor Air Quality
   Control System
  Video Based Visibility System

Research & Development

Machine Vision
  Laser-based Metrology
  Smart Video Analytics
  Multispectral and Stereo Vision
  Smart Cameras
Thermal Imaging
  High Speed Infrared Imaging
  Smart Thermal Inspection
  Camera and Optical Design
Wireless Sensors and Sensor Networks
  Smart Adaptable Wireless Sensors
  Wireless Sensor Network
   Architecture
  Power Harvesting
Robotics
  Dynamic Obstacle Avoidance
  Specialized Manipulator Design

WISE Solutions for Transportation Safety and Security