Digital Transformation in Vietnam

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Digital Technologies are evolving

- Internet of Things
- Big Data
- Robotics
- Cloud
- Artificial Intelligence

Products → Outcomes
Own → Everything-as-a-Service
Closed → Open
Individual optimization → Overall optimization

Driving quality of life and economic growth
Advantages for Digital Transformation in Vietnam

- Government Support
- IT & Technology companies with DT Capabilities
- Young talent pools adapting with new technologies
- High rate of internet and smart phone access
- Improvement of infrastructure in telecommunication
- Good environment for innovation and startup
Areas of Digital Transformation in Vietnam

- Smart Cities
- E-commerce
- Manufacturing
- Agriculture
- Transportation
- Fintech
- E-Government
- Tourism

Vietnam is undergoing vast transformation
Strong Digital Technologies Adoption

- AI
- 5G Network
- IOT
- Block Chain
- Big Data
- Cloud
- AR/VR/MR
- RPA
- Chatbot
Digital Transformation
@ Global CyberSoft, A Hitachi Consulting Company
GCS Digital Technologies and Services

Why GCS?
- End-to-end Solutions & Full Services Cycle
- Deep Expertise & Resources
- TCO

Key partners:

Digital Technology Offerings:
- IoT
- Big Data
- AI/ML
- Cloud
- RPA
- Chatbot
- Digital Expr

Full lifecycle / one stop of services:
- Consulting
- Implement & Integration
- AMO/ Support

(*) - A US Corporation founded in California in 2000
Transportation – Digital Rail

Core Services

IoT  Big Data  Machine Learning  Cloud Computing

Field Engineers  Operators  Data Scientists  CBM Planner

Real Time Alerting, Monitoring & Dashboard
Fault Diagnostic & Condition Based Maintenance
Analytic Historic Reports
SaaS Reliable, Scalable, Low Cost/Overhead

Multiple Data Sources

IoT  Big Data  Machine Learning  Cloud Computing

Work Station

Passengers

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## Smart Traffic

### Real-time Traffic Command Center
- Real-time Traffic Command Center
- License Plate Recognition
- Traffic Violation Detection
- Traffic Analytics & Statistics
- Black & White List Tracking

**CASE STUDY 2**

1. **Apply Artificial Intelligent/Deep learning for Video analytics**
2. **Multiple events detection**
3. **Extensible and customizable**
4. **Scalable design for supporting large sets of cameras**
5. **Flexible rule settings**
6. **Support existing IP cameras**
7. **Camera calibration support**

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Smart Agriculture

Solution Benefits

- Easy Production Management
- Real-time Data Collection
- Scheduling/ Event Trigger Executions
- Flexible Alerts/ Notifications
- Agriculture Ecosystem
- Statistics & Analytics
- Various Sensors/Devices Support
- State of the art technologies
Digitalize the production operations in a Factory:

- Quality check management
- Production operation management
- Real-time monitor facility status
- Quality analysis dashboard
- OEE analysis dashboard
- Collect IoT data from machines

Real-time monitor facility status such as vibration, line speed, rotation speed, etc.

OEE Analysis for different machines at different time period

IoT system ensures that machine is started only when the right material and enough quantity is inputted

Weighing information is collected wireless interface and confirmed by IoT system

Input materials are confirmed by scanning QR code
We’re not just talking about Digital Transformation, we’re making it happen.

Let’s Define The Digital Future Together.
Thank You

WELCOME YOUR QUESTIONS & COMMENTS!

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