

An Integrated solution provider of Industrial Automation

AUTOMOBILE
INDUSTRIES

AUTOMATION
SOLUTION

ROBOTICS
SOLUTION

MFG.
PRECISION
MACHINES

Food &
Beverages
Industries

Robotic
Painting
&
Welding

PHARMA &
DAIRY
INDUSTRIES

SPECIAL
PURPOSE
MACHINE

MHE
Industries

Ware House Management System

- Planned Layout & Optimization of Space
- Storage Rack (Fixed & Motorized)
- Robotics Bin Pick and Palletized
- Battery Operated Stacker & Forklift
- Auto Guided Vehicle (AGV's)
- RFID, Bar Code... more as per requirement
- QC and Inspection Checking



Nikka Robotics Solution & Technology

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A Group of Company”

NIKKA INCOPRORATED **Authorized Representative**

- ** SIEMENS --- FIELD INSTRUMENTATION
- ** TURNKEY PROJECTS

NIKKA INSTRUMENTATION PVT. LTD. **SYSTEM HOUSE & Authorized Representative**

- ** SIEMENS --- AUTOMATION, SERVO & DRIVES, CNC
- ** NIKKA --- MANUFACTURING ALL TYPES OF PANELS
- ** BANNER --- SENSORS
- ** HBC --- RADIO REMOTE CONTROL
- ** LAPP --- CABLES(Vadodara)

NIKKA ROBOTICS SOLUTION AND TECHNOLOGY **System Integrator**

- ** YASKAWA --- ROBOTICS SOLUTION (Channel Partner)
- ** NIKKA – MANUFACTURING PRECISION MACHINE
- ** MAXPULL - HAND WINCH (INDIA DISTRIBUTOR)
- ** SOLOMON-2D/3D VISION CAMERAS



“Nikka” work as System Integrator & Engineering Company

Our Scope of Work :

- 1) Concept Development through sketch / engineering drawing
- 2) Design & Engineering, Developing 3D Drawings
- 3) Providing Turnkey Solutions for Precision Machinery/Equipment, Robotics Application, Material Handling Equipment & Automation
- 4) Training & After Sales Service Support



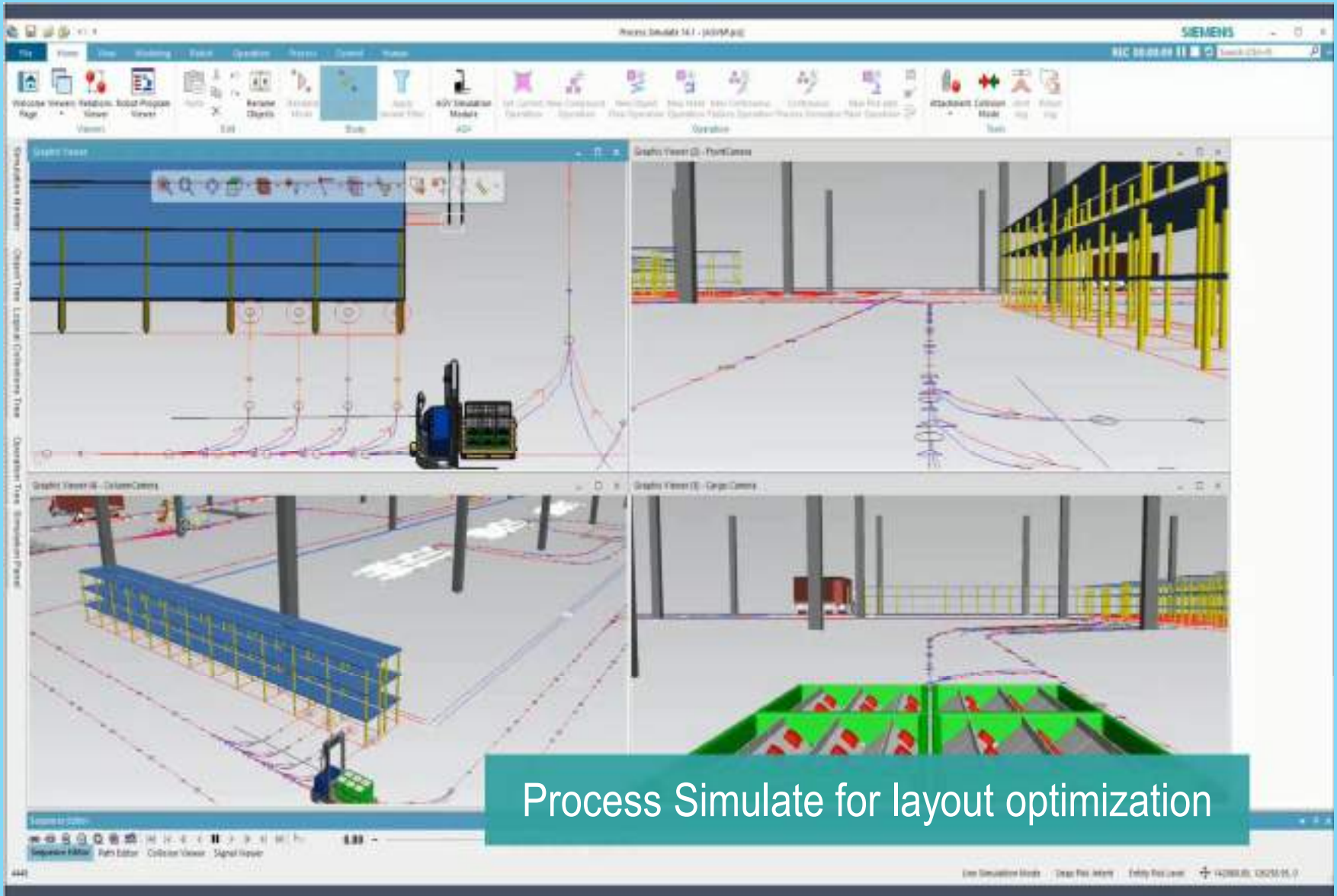
“NIKKA --- Experience and Contribution

OUR ACTIVITIES : We are an engineering company involved in Providing Complete solutions with single responsibility.

- *** Manufacturing Precision & Special Purpose Machineries
- *** Manufacturing Material Handling Equipment.
- *** Manufacturing Robotics Applications like:- Welding, Handling, Painting & more.
- *** Manufacturing Grippers & Fixtures for robotic solutions
- *** Trunkey Mechatronics & Automation Solutions
- *** Manufacturing All types of control Panels.
- *** Providing solutions in Field Instrumentation

OUR EXPERIENCE IN DEVELOPING & MANUFACTURING:

- *** Positioners, Turntable, converting CNC Lathe machines, 2,3-axis cross Slides & controls systems, Manufacturing Fixtures for automobile and ancillary handling systems. Developing customer requirement
- *** Manufacturing all type of Conveyors, Pick & Place & Loading and Unloading equipment end-of-packaging line, Logistic & Ware-House Management System
- *** Providing Robotics solutions for applications like Handling, Welding, Machine Trending, Pick and Place, Packaging and Palletizing, Grinding & Polishing, also as per customer Application/requirement.
- *** Robotics BIN PICK solution
- *** Providing Automation Solutions in process industries, dairy industries, pharma equipment, Machine Manufacturers.
- *** Providing Solutions for field instrumentation in industries like process industries, dairy industries, pharma equipment, Machine Manufacturers.



Managing and Distribution of Material



Flexibilization of production with AGVs – Requirements and Challenges

Production area



- Integration in production automation
- Integration in plant safety concept
- Reliability, availability, life-time

Optimal plant integration

Logistics area



- Highest demand on dispatching
- Flexibility in routing & obstacle avoidance
- High variance of vehicles

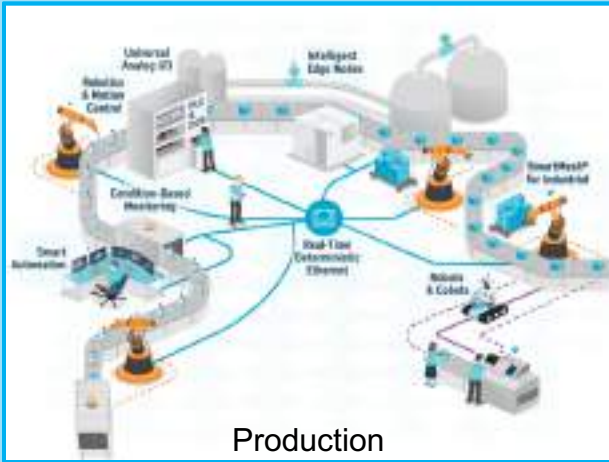
High variance of AGVs

Technologies



- Usage of car components
e.g. power supply, environmental sensors
- Make driver assistance technologies suitable for the industrial use

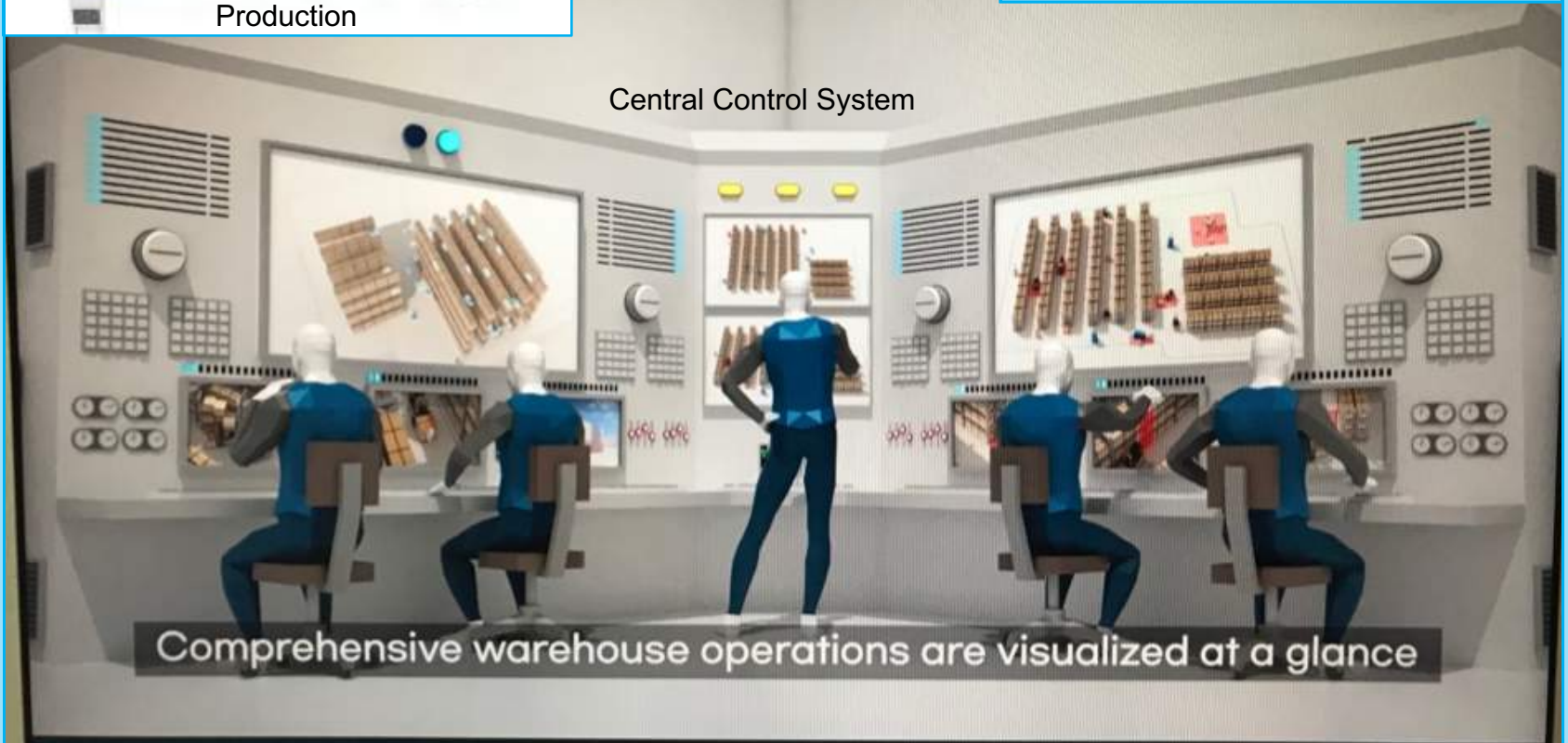
Benefit from vehicle sensorics



Production



Central Control System



Smart Warehouse



RFID



BARCODE



LABELING



CHECKWEIGHER



AI – automation
&
motion control



2D/3D VISION CAMERA
INSPECTION & QC
DEFECTS AND MEASUREMENT



MATERIAL HANDLING



- * ROBOTIC BINPICK, INSPECTION, DEFECTS DETECTION...
- * ROBOTIC PACKAGEING & PALLETIZING

Automated: Mobile Shelving Storage Rack



AUTOMATED GUIDED VEHICLE



Customized AGV's – Magnetic Tape Type OR Sensor



AGV WITH AI
AI– Artificial Intellegence



AGV' – BOPT TYPE



AGV with Counter balance for Heavy Load 2.5 T



AGV WITH AI

(MFG. MATERIAL HANDLING EQUIPMENT)



BOPT -1.5T, 2.5T, 3T Capacity
Battery Operated Pallet Truck



SCISSOR LIFT



STACKER -1.5T Capacity
Battery Operated



COUNTER BALANCE STACKER
WITH 360 Degree ROTARY
1.5T Capacity Battery Operated



COUNTER BALANCE STACKER
1.5T Capacity Battery Operated



STACKER -1.5T Capacity
Manual Operated



AGV -1.5T, 2.5T, 3T Capacity
Battery Operated Pallet Truck
Customized Solution

(MFG. MATERIAL HANDLING EQUIPMENT)



Die Loader



Tow Trucks



Movable Scissor Lift



Zero Scissor Lift



Drum Lifter

Manufacturing Lifting Unit Using Hand Winch

CE-APPROVED HAND WINCH – JAPAN :---

USE FOR PHARMA, FOOD & BEVERAGES, CHEMICAL INDUSTRIES, STEEL INDUSTRIES, IN DEFENCE, ARMY,MANY MORE



Stracker



Telescopic Lifter



Mobile Lifter



STAINLESS STEEL



STEEL



CAPSTAN TYPE



ENDLESS WIRE ROPE
HAND WINCH