



**AZTEK**

**SOLUTIONS**





PRODUCTS

INDUSTRIAL CONSULTING

ENGINEERING & DESIGN

DEVELOPMENTS

SERVICES

ENGINEERING SOLUTIONS \* FABRICATING INNOVATION





# **AZTEK**

## **THE SUPER TEAM**

**IVAN VILLANUEVA**  
**QUALITY / ENGINEERING**



**ARTURO GOMEZ**  
**CEO**



**HECTOR ARDITO**  
**OPERATIONS / ENGINEERING**

**FIDEL SOTO**  
**ELECTRICAL TECHNICIAN**



**MARIA GOMEZ**  
**LEGAL REPRESENTATIVE**



**SINHUE LOPEZ**  
**DESIGN / ENGINEERING**

**OSCAR AARON**  
**CONTROL / PROGRAMMER**

**ENGINEERING SOLUTIONS** ✨ **FABRICATING INNOVATION**



## WHO WE ARE

**A SELF SELECTED HIGH TALENT INDIVIDUALS WITH  
ENTREPRENEURSHIP VISION & TECHNOLOGICAL SKILLS.**

**FROM CRAFTSMAN ARTISTS, TECHNICIANS, ENGINEERS &  
ENTREPRENEURS; WE BUILD A DISRUPTIVE TEAM EAGER  
FOR SUCCESS & SOCIAL IMPACT.**

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# **ZTEK**

## SUCCESSFUL CASES

*CONSULTING*

### **Didecom**

- ✓ Talent Development
- ✓ Project Development & Sales

### **IT Sector**



### **GEA Food Technologies,**

- ✓ Project Management
- ✓ Engineering & Design
- ✓ Technology Integrators

### **Food Processing Sector**



### **PSW Headquarters**

- ✓ Assembly Line
- ✓ New Technology Solutions

### **Automotive Sector**

### **Grupo Licon S.A. de C.V.**

- ✓ New Business Development
- ✓ Marketing Consulting

### **Energy Sector**



### **Autotek Industrial de México**

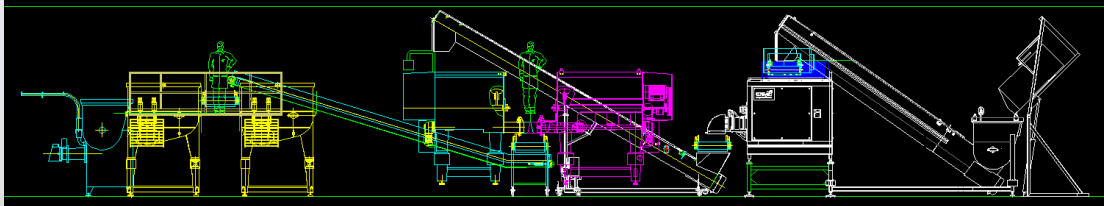
- ✓ AGV's Consulting + Draft
- ✓ Installation Services

### **Automotive Sector**





# POULTRY & MEAT PROCESSING EQUIPMENT



## *FOOD PROCESSING SECTOR*

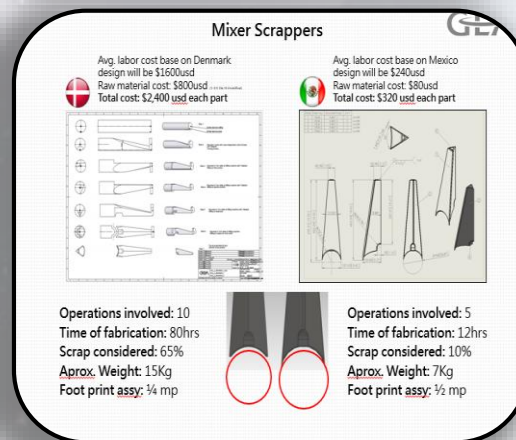
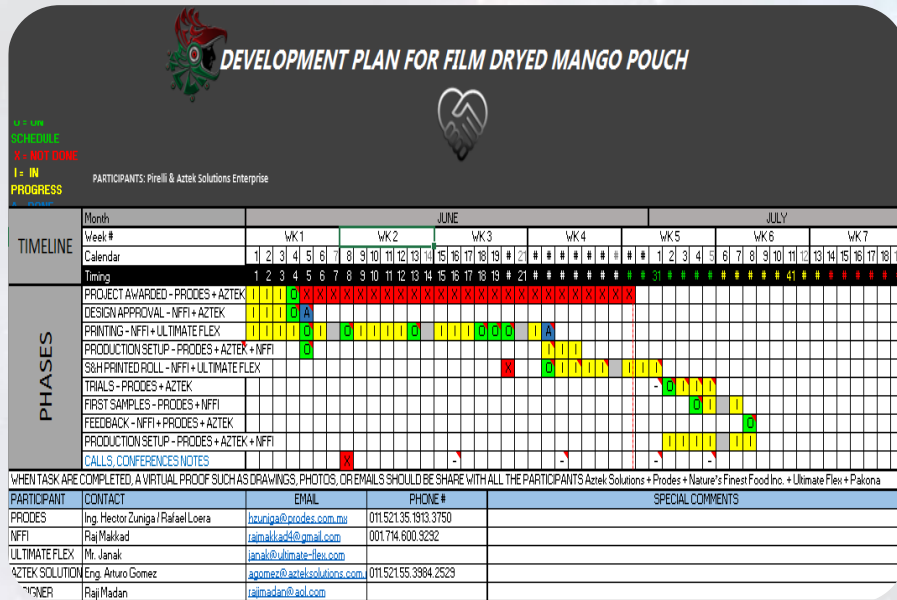
Design, Engineered & Development of Meat & Poultry processing equipment matching customer specific requirements & ISO22000 hygienic standards, from conveyors to high capacity mixers.

Our collaboration was from concept proposals to final functional equipment meeting final customer requirements.

Practices: Laser, WaterJet, Welding, Polishing, Bead Blasting, Precision Machining, Imports/Exports practices, TIG/MIG, Complex Machine Assembly, Ergonomics, Safety, Crating.



# INNOVATION ON SHOP



## FOOD PROCESSING SECTOR

Design, Engineered & Development of a new process reducing fabrication time up to 1000% & scrap up to 600%. The development meet all customer specific requirements & ISO22000 hyenic standards.

Our collaboration was from an initial physical prototype up to having the Danish engineering team approval of functional design saving thousand of dollars & fabrication time.

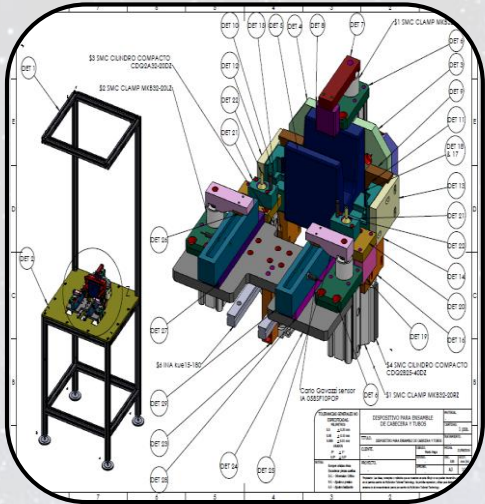
Practices: Laser, Welding, Stress Analysis, Polishing, Bead Blasting, Precision Machining, Rapid Prototyping, TIG/MIG, Safety.





# ASSEMBLY LINES

## ENGINEERING



## DEVELOPMENT

## INSTALLATION



### *AUTOMOTIVE SECTOR*

Design, Engineered & Fabrication of an assembly line of the head rest assemblies for VW Tiguan vehicle based on customer specifications/requirements & automotive Norms standards.

We were not aware of the magnitude of the Project we were participating, after delivering the first 3 automated assembly stations, our customer awarded us a P.O. for the full line integrating more than 30 more automated assembly stations.

Practices applied: Industry 4.0 Ready, UX, UF, Pneumatics, PLC, Tooling,, Precision Machining, ITEM Structure, 3D prototypes, LeanMX, Ergonomics, Safety.





# ASSEMBLY STATIONS & FIXTURES

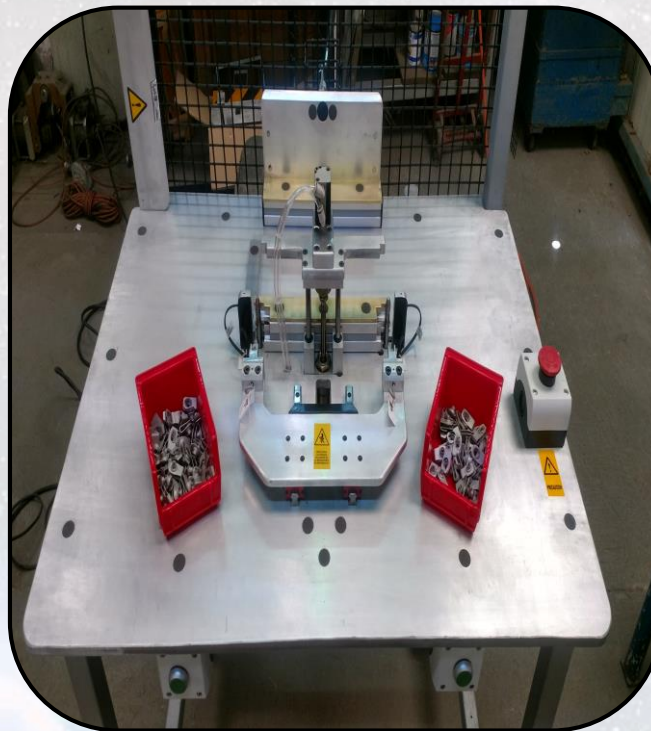
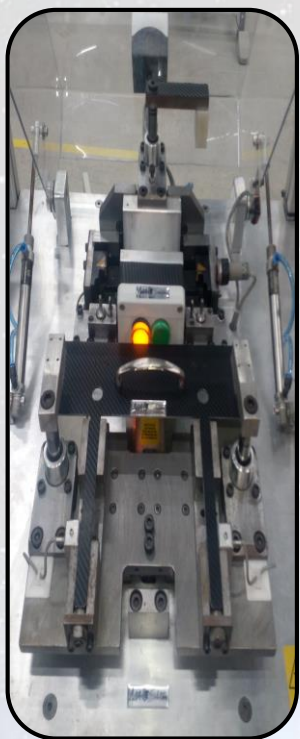
## *AUTOMOTIVE SECTOR*

Design, Engineered & Fabrication of assembly stations based on customer specifications/requirements & automotive Norm standards.

Automation of assemblies with different configurations for VW Tiguan vehicle with high production volume & precision.

We were not aware of the magnitude of the Project we were participating, after delivering the first 3 automated assembly stations, our customer awarded us a P.O. for the full line integrating more than 30 more automated assembly stations.

Practices applied: Industry 4.0 Ready, UX, UF, Pneumatics, PLC, Tooling,, Precision Machining, ITEM Structure, 3D prototypes, LeanMX, Ergonomics, Safety.







# COOLING FIXTURES



## *AUTOMOTIVE SECTOR*

Design, Engineering & Fabrication of a Cooling Fixture for EPP components. In this case is the bumpers skeleton for VW Tiguan vehicle based on customer specifications/requirements & automotive Norm standards.

The Fixture offered cooling the injected hot components & keeping them to dimensions & shape.

Our collaboration was from concept proposals to final functional equipment meeting final customer requirements.

Practices applied: UX, UF, Tooling,, Precision Machining, Welding, Fastening Ergonomics, Safety.





# CUSTOM EQUIPMENT CUTTER



## *AUTOMOTIVE SECTOR*

Design, Engineered & Fabrication of an equipment to cut in sections stickers based on customer specifications & automotive Norm standards.

The equipment accomplished to reduce production delays, from manual process, to semi-automated processing.

Our collaboration was from concept proposals to final functional equipment meeting final customer requirements.

Practices applied: UX, UF, Item Structure Tooling,, Precision Machining, Electrical, Relay Control, Fastening Ergonomics, Safety.

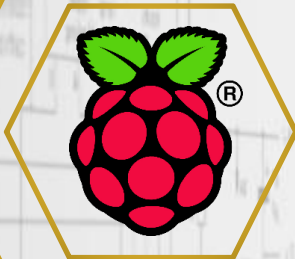




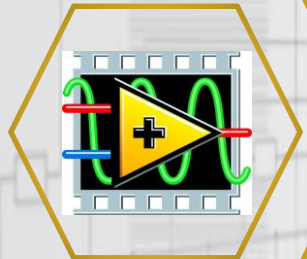
# DEVELOPMENTS & TECHNOLOGY



ARDUINO



RASPBERRY



LABVIEW



MICROCHIPS



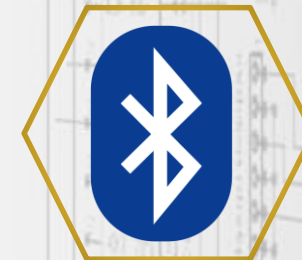
**EXPERTISE  
INTEGRATING  
DIFFERENT TECHNOLOGICAL TOOLS  
& PLATFORMS INCLUDING BIG  
DATA & "INDUSTRIAL INTERNET OF  
THINGS" (IIoT)**



WIFI



GSM GPRS



BLUETOOTH



RADIOFRECUENCIA

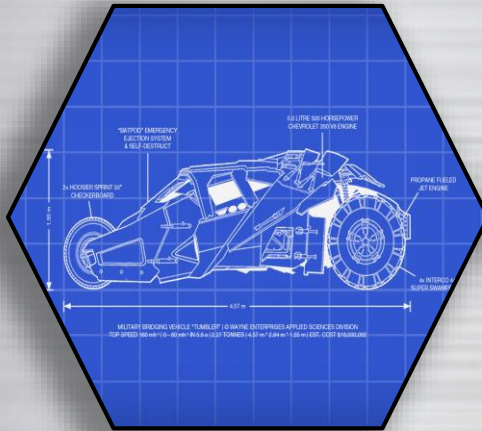
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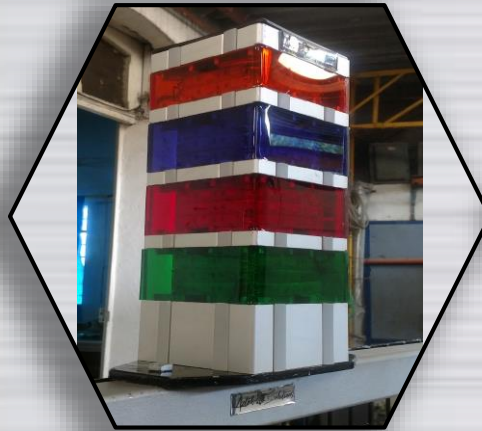


# SERVICES

**ENGINEERING**



**INTEGRATION**



**MAN POWER**



**FABRICATION**



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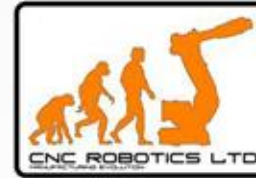
## OUR ALLIES



**SMC PNEUMATICS**



**AUTOMATISMOS**



**CNC ROBOTICS**



**JERSA**



**KEYENCE**



**SCHNEIDER**

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## CLIENTS



**MGE International**



**AUTOTEK**

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# PROSPECTS 2019



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**THANKS**

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