

Industrial Automation (Textile)

Description of work

This is fully automated double bath, four conveyor machine for the washing of textiles fabrics- to remove oil, dirt, impurities and improve bulk and hand feel. Machine was ideal for more than an year due to breakdown of electronics and PLC. Customer support was too expensive as programming was in Portuguese language requiring supplier's visit.



Client: AUDNE INDIA LIMITED, DADRA & NAGAR HAVELI, INDIA

AUNDE India Limited(AIL), is a joint venture collaboration between Faze Three and Aude Achter & Ebels GmbH(Germany known for its line of automotive fabrics and seating systems).

Automation:

Our team replaced existing control mechanism of the machine with state of art Delta made PLC, Drives and HMI control. The variable frequency drives are controlled by PLC to vary the speed of the machine and its mainly synchronized functions like water flow control, temperature controls, steam valve functions, conveyor movement, interlocked safety systems etc. The PLC and HMI ladder programs are developed from scratch based on the machines functionality and operation sequence. The Ladder Logic involved interlocking with 15 emergency switches and dancing rod to stop the machine. More than 100 digital I/O's and 30 analog I/O's are interfaced in this automation.

Manpower Placement services :

V ACT ensures the concept that there can be no better way of hiring talents. We provide tailored recruitment process outsourcing services (RPO). We can manage a portion of client recruitment process or client entire staffing operations. As per client requirement we identify the congruent professionals to train and manage them through out the contract [Temporary/Contract Placement] or move the resource to the client pay roll. Making this option is ideal for client organizations who desire to evaluate the worthiness of a candidate before making a full-scale job offer.

CLIENT: PRICOL CORPORATE SERVICES, COIMBATORE, ANCIT CONSULTING, BENGALURU

Strength :

- ✓ Manage the entire Recruitment needs of the Client, address hiring initiatives providing best sourcing strategies to stay competitive.
- ✓ Work closely with the Hiring Manager, analyze hiring needs, do job profiling, device strategies and selection procedures.
- ✓ Provide an exclusive dedicated team of professionals with skill expertise for all the hiring needs.
- ✓ Determine requirements and processes for better business applications.
- ✓ Acquire, integrate, and maintain advanced and flexible IT systems.
- ✓ Mobilize internal resources to process large volume responses.
- ✓ Manage the selection of required personnel.
- ✓ Provide 'ready-to-work' workforce against time schedule.



WWW.VACT-TECH.COM

Vision

Develop technology applications and solutions suitable for an ever changing business environment, be a equal opportunity provider, Creating value for the money



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V Act Technologies
innovate your thoughts...

ISO 9001:2015 CERTIFIED COMPANY

ABOUT

Vact is an Embedded/IoT/CAD service provider specializing in providing unique blend of electronics and mechanical design for clients from the year 2007. VAct is ISO 9001: 2015 Certified Company managed by technocrats with expertise in various domains. Our experience and flexibility in approach enables us to significantly reduce the amount of time traditionally spent on design, development, testing and validation, resulting in a high-quality, swift and efficient deployment of solutions for our customers.

BUSINESS OVERVIEW



Product development (Blend of Mechanical, Electronics & Embedded Engineers)

VAct helps transform ideas to finished product after understanding the application needs and application requirements of the customer. The team of designers gives shape to concepts keeping in mind, factors such as functionality, practicality, reliability and aesthetics of the product. Also provides physical mockup for the designed components taking care of downstream applications such as simulation and tool design on mechanical domain and similar stages of design sequence in electronics/IoT domain too. VAct has a perfect blend of Mechanical & Electronics engineers to bring out a concept to real-world product.

ENGINEERING SERVICES

The Engineering Design Services at VAct consists of a multi-faceted team of skilled engineers with immense experience in design, engineering analysis and product development for a variety of industries. Based on a combination of engineering knowledge, software skills and industrial experience, the division offers a spectrum of engineering services in CAD/CAM, Modeling and Analysis using CREO/NX/CATIA/ANSYS//HyperWorks.



The Various services currently provided are

- ✓ Project Outsourcing (3D Modelling / component assembly + BOM/ 2D Drafting)
- ✓ Draftsman Works
- ✓ Tools Using

CAD	CAE	CAM
AutoCAD	ANSYS	NX - CAM
Creo	NASTRAN	
Solidworks	Hyperwoks	
NX - CAD		
CATIA		

The services cover a range of engineering domains such as Automotive, Automotive Tooling, Aerospace and Manufacturing. Our concurrent engineering solutions, well established quality process and superlative design methodology, ensures shorter and more efficient design cycles.

EMBEDDED SERVICES

In-Vehicle Networking & Automotive diagnostics: (Automotive)

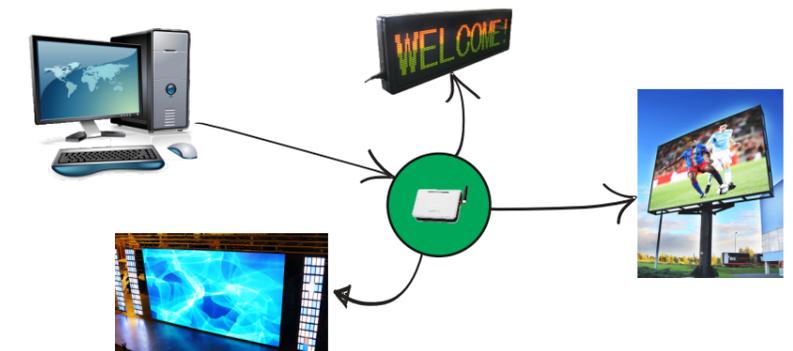
- ✓ Support for all OBD II complaint physical bus standards
- ✓ Diagnostics services for KW2000, ISO 9141-2, J1939, J1850 protocols
- ✓ Vehicle Network Management and communication gateways using CAN, LIN, MOST and FlexRay

HMI/UI Development (Automotive/Industrial Automation)

- ✓ Development of Human machine interface for infotainment systems
- ✓ PC based User interface for analysers & loggers
- ✓ Design and Development of Instrument Clusters(2/4 wheelers)

GSM/GPRS based information display system(Advertising Industry)

VAct intelligent information display systems(IIDS) are extremely effective tools to display information in public places using the advanced communication means. This IIDS allows user/advertiser to transmit their information on to the display from anywhere remotely.



TetraVision

The best technology in an affordable package combining the efficiency of LED's for low power consumption and low maintenance cost, while allowing your message seen from any angle and data to be displayed can be sent from any places at the convenience of the user using mobile/PC based software.

State of the Art Manufacturing facility

Our Manufacturing plant is strategically located near Porur towards Poonamalli, Chennai. We are the approved supplier and service provider for TVS Electronics Ltd., The Plant was established in the year 1999 with an objective of providing flexible manufacturing and service support to Low/Medium/High volume electronic products suiting customers requirement to meet the market demand.

Key Features

- ✓ Has 4000 sq.ft assembly area with four product layout
- ✓ Laser Printing Machine- Make Lee Cooper
- ✓ Wave soldering machine 2 Nos
 - ✓ Minimatic 360- 1 No
 - ✓ Minimatic 50- 1 No
- ✓ Fully antistatic mats covered Assembly/Service area
- ✓ Weller make solder stations 50 watts- 6 Nos [heat controlled]
- ✓ Weller make solder stations 80 watts- 4 Nos [heat controlled]
- ✓ Weller make solder stations 120 watts- 1 Nos [heat controlled]
- ✓ Compressor GEE make 2 ton 1nos

