

# CIRRICULUM VITAE



## PERSONAL INFORMATION

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Nationality Turkish

## EDUCATION

Dates **1970 – 1977**  
**Hacettepe University, Engineering Faculty, Ankara / TURKEY**  
Master of Science (MS), Engineering Physics – Thesis on Electronics Trace Detectors (1975 – 1977)  
Bachelor of Science (BS), Engineering Physics (1970 – 1975)

## EXPERIENCE SUMMARY

Over 34 years of experience in engineering design, testing, and installation of industrial control systems and instrumentation in the petrochemical industry (18 years in SABIC, and 16 years in TURKEY- Aliaga Petrochemical Complex). Overall expertise covers front and end design, detail engineering, inspection, systems testing, commissioning, construction site support and maintenance.

## WORK EXPERIENCE

Dates **2014 – 2016**  
Name and address of employer **SABIC – Engineering and Project Management Knowledge Management Center, Jubail / Saudi Arabia**  
Type of business or sector **Engineering service for SABIC projects**  
Occupation or position held **Instrumentation and Control System Principal Engineer and Functional Expert & Instructor**  
Main activities and responsibilities Design and lecture company-wide engineering training classes in the areas of instrumentation and control systems, including:

- Fundamentals of Flow Measurement and Working Principles of Flow Measuring Instruments
- Custody Flow Metering Systems
- Fundamentals of Level Measurement and Working Principles of Level Measuring Instruments
- Fundamentals of Pressure Measurement and Working Principles of Pressure Measuring Instruments
- Fundamentals of Temperature Measurement and Working Principles of Temperature Measuring Instruments
- Basic Instrumentation and Control Systems
- Process Control Principles
- Control Valve Selection and Sizing Criteria
- Safety Integrity Level (SIL) Determination and Verification Methods for Emergency Shut Down Systems
- Hazardous Area Classifications as per NEC and IEC Standards
- Explosion Protection Methods for Electrical Equipment Located in Hazardous Areas

Dates	<b>2004 - 2014</b>
Name and address of employer	<b>SABIC – Engineering and Project Management Department, Jubail / Saudi Arabia</b>
Type of business or sector	<b>Engineering service for SABIC projects</b>
Occupation or position held	<b>Instrumentation and Control System Principal Engineer</b>
Main activities and responsibilities	<ul style="list-style-type: none"> <li>- Participation in Ar-Razi Plant-V Methanol Project Team for basic &amp; detail design engineering, and commissioning. <i>Period: August 2004 – July 2008</i></li> <li>- 13 Months in Japan in EPC contractor company (Mitsubishi) office for basic and detail engineering of the project.</li> <li>- Participation in Ar-Razi Plant-V Methanol Project for construction as Instrumentation and Control Systems Construction Team Leader.</li> <li>- Participation in Sharq 3<sup>rd</sup> Expansion Project Utilities &amp; Offsites PMT for Instrumentation engineering support, and Instrumentation and Control Systems Construction Team Leader. <i>Period: August 2008 – August 2009</i></li> <li>- ITB preparation for basic and detail design engineering of instrumentation and control systems related sections for planned mega projects.</li> <li>- Review and update instrumentation and control systems sections of Sabic Engineering Standards as a member standard review committee. <i>Period: August 2009 – April 2011</i></li> <li>- Participation in Ibn Rushd-II U&amp;O Project team for Basic Engineering, Detail Engineering and Construction. <i>Period: April 2011 – May 2014</i></li> <li>- 9 months in Taipei in EPC contractor company (CTCI) office for basic and detail engineering of the project.</li> <li>- After completion of engineering, participation in Ibn Rushd-II Project as Instrumentation and Control Systems Construction Team Leader.</li> </ul>

Dates	<b>1998 – 2004</b>
Name and address of employer	<b>SABIC – Saudi Arabian Petrochemical Company (PETROKEMYA), Jubail / Saudi Arabia</b>
Type of business or sector	<b>Petrochemical</b>
Occupation or position held	<b>Advanced Instrument and Control System (ICS) Engineer – VCM and PVC Plants</b>
Main activities and responsibilities	<ul style="list-style-type: none"> <li>- Participation in a project team for PVC DCS upgrading project as Advanced ICS Engineer, and ICS Construction Leader.</li> <li>- Participation in a project team for PVC De-bottlenecking project as Advanced ICS Engineer, and ICS Construction Leader.</li> <li>- Identification of ICS related problems / bottle necks and recommendations for solutions.</li> <li>- Review in-house modification requests and prepare job execution packages.</li> <li>- Preparation of Instrumentation Hook-Up drawings of in-house modification project packages.</li> <li>- Preparation of Instrumentation wiring Diagrams of Junction Boxes and Marshalling Cabinets of upgrading and De-bottlenecking project packages.</li> <li>- Technical review &amp; comment for Facility Change Safety Review (FCSR).</li> <li>- Review &amp; comment for Final Scope of Document for Control System related upgrade projects.</li> <li>- Review &amp; comment for plant engineering project packages.</li> <li>- Engineering support &amp; plant engineering coordination and follow-up for construction of ICS related projects as ICS construction Leader.</li> <li>- Review as built marked-up drawing for implementation of CS related projects.</li> <li>- Review &amp; comment for plant turnaround job list.</li> <li>- Prepare &amp; issue turnaround critique and technical support during plant turnaround.</li> <li>- Technical support for ICS Technicians / Supervisors.</li> </ul>

- Technical support to warehouse queries if the query is related to the obsolescence and/or revision of equipment that requires upgrade / modification & revision of specifications.

Dates	<b>1982 –1998</b>
Name and address of employer	<b>PETKIM, Petrochemical Industry Aliaga Complex, Aliaga, Izmir / TURKEY</b>
Type of business or sector	<b>Petrochemical</b>
Occupation or position held	<b>Instrumentation and Control Systems (ICS) Principal Engineer</b> - Air Separation, VCM, ACN, CA, EO/EG, and PVC Plants
Main activities and responsibilities	<ul style="list-style-type: none"> <li>- Construction, Pre-commissioning &amp; commissioning and start-up of Air Separation and VCM plants.</li> <li>- Maintenance and troubleshooting on a wide variety of process control instrumentation.</li> <li>- Selection of field and control panel instruments.</li> <li>- Selection and calculation of control valve sizing.</li> <li>- Preparation of requisition sheet and specification of field instruments and control valves.</li> <li>- Engineering and design all types of instrument and control loops both in pneumatic and electronic.</li> <li>- Preparation of Field Instruments Hook-Up Drawings for in-house modification and ICS upgrading project packages.</li> <li>- Preparation of Instrumentation wiring diagrams for junction boxes, marshalling cabinets and control panels for in-house modification and ICS upgrading project packages.</li> <li>- Preparation of PLC specification, bill of materials, detailed drawing and data configuration and electrical elementary ladder logic diagram for replacement of existing Philips PLC System with Allen Bradley PLC 5/25 system in VCM plant.</li> <li>- Revision and modification on existing setup for replacement of conventional control panel instruments with microprocessor based Hartman &amp; Brown electronic controllers and indicators in VCM plant.</li> <li>- Participating as a ICS member for upgrading project for PVC plant conventional controllers to Honeywell TDC 3000 system.</li> <li>- Replacement of Foxboro SPEC 200 conventional controllers with micro 760 series microprocessor based controllers in ACN plant.</li> <li>- Participation in a project team as a CS member for revamping project for providing a new oxychlorination</li> </ul>

- Participation in a project team for replacement of Hg Cells with new technology membrane type cells in CA plant.

Dates **1977 – 1982**

Name and address of player MKE Machinery and Chemical Industry, Ankara / TURKEY - Project Engineer *Period: 1980-1982*

Name and address of player TDCI, Iron and Steel Industry, Ankara / TURKEY - Project Engineer for 4th Iron and Steel Complex  
*Period: 1977-1980*