Gürkan Vardar

Mechanical Engineer and Flat Glass Consultant

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Mechanical engineer with experience in flat glass production, cutting line modernization and industrial utilities. Provides independent technical consulting, third-party inspection (TPI), factory audits and commissioning support to glass manufacturers and suppliers worldwide.

Technical Expertise

Cold end operations. Cutting lines, optimization systems, automatic stacking, washing and optical quality inspection.

Industrial utilities. Industrial air compressors, water treatment, cooling towers, nitrogen (N_2) and hydrogen (H_2) supply, and energy efficiency.

Process troubleshooting. Reducing glass defects and scrap rates and improving production reliability.

Professional Experience

Şişecam Flat Glass · Kırklareli Plant

Utilities Supervisor — Feb 2025 - present

Cold End Production Supervisor, TROTO — Started Feb 2022

Mirror Production Supervisor — Started Jan 2021

Cold End Supervisor — Jul 2010 - Dec 2020

Worked on cutting line upgrades during the 2010 TR1 and 2012 TR2 cold repairs. Coordinated Elmak's implementation of PLC-based glass sheet tracking and production and fault reporting for the Grenzebach line at one-third of the reference cost.

Operations Engineer — Jan 2001 - Jul 2010

Worked on cutting line upgrades during the 2002 TR2 and 2006 TR1 cold repairs. Coordinated Elmak's implementation of PLC-based glass sheet tracking and production and fault reporting for the Pilkington line at one-third of the reference cost.

Development Engineer — Jul 1998 - Dec 2000

Selected Achievements at Şişecam

Fifteen ideas for cost reduction, yield improvement and savings were implemented through the Fikir Fabrikası and NAR programs. Received a Certificate of Appreciation in connection with the 2006 TR1 flood.

Earlier Engineering Roles

Manufacturing and Installation Manager · Tema Makina — Dec 1995 - Nov 1996

Steel fabrication and erection for the cold repair of Furnace C at Paşabahçe's Kırklareli plant, and fabrication of two annealing lehrs. Worked on cold repairs to three furnaces at Denizli Cam, including a 24-day glass-to-glass turnaround.

Production Engineer · Has Maya — Mar - Sep 1995

Project Engineer · Toros Biracılık — Jan - Mar 1995

Education and Training

Mechanical Engineering · Trakya University — 1989 - 1993

English language training · United Kingdom — Jan 1997 - May 1998

Military service — Mar - Nov 1994

Languages

English (fluent)