



WHO IS BUĞRA ERTOK?

BUĞRA ERTOK

Senior Mechanical Design Engineer

Founder & Managing Director — Pan Engineering

HVAC-R • Fire Protection • Plumbing • Utility Infrastructure

PROFESSIONAL PROFILE

Senior mechanical engineer now in his 30th year of professional practice on U.S. federal, diplomatic, and military facility projects. Extensive, long-term working history with the U.S. Army Corps of Engineers (USACE), the U.S. Department of State's Bureau of Overseas Buildings Operations (OBO), and the Air Force Civil Engineer Center (AFCEC), delivering HVAC-R, fire protection, plumbing, and utility infrastructure design for embassies, military installations, and mission-critical facilities. Owner and technical director of an independent mechanical design consultancy company since 2012, working as a trusted, exclusive third-party design partner to multiple A/E firms and contractors holding IDIQ, MACC, and MATOC contracts.

(ODTÜ / METU) • 1997-2011

DESIGN ENGINEER — LEAD DESIGNER — DESIGN MANAGER

2012-ONGOING

FOUNDER & MANAGING DIRECTOR, PAN ENGINEERING

CORE COMPETENCIES

- HVAC-R, fire protection, and plumbing systems design
- Multidisciplinary design coordination and project management
- Design review and value engineering
- Construction stage consultancy
- Preparing technical proposals, RFP packages, and BOQs for federal projects

CREDENTIALS & PROFESSIONAL STANDING

- M.Sc. Mechanical Engineering
- Managing Director / Owner — Pan Engineering
- Long-term experience with USACE, OBO, AFCEC, and NATO/NSPA-related project environments
- Working knowledge of NFPA, ASHRAE, ASME, OBO Regulations, ICC, and UFC criteria
- NFPA Member, ASHRAE Member
- CSI-Trained in Master Specification Editing

Independent senior-level design consultancy supporting prime A/E firms and contractors in U.S. federal, diplomatic, military and complex international project environments.

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