

Bilingual Training Solutions
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FRANCISCO P. VARGAS

- Mechanical Engineer
- Technical translator, English to Spanish
- Training developer
- **Industrial specialties:** Manufacturing, food processing, food service, machine shops

RELEVANT SKILLS

- Hazard analysis critical control point analysis/development, production
- "5-S" process analysis and improvement of safety, quality and productivity
- Optimization of sanitation processes for food/drug/cosmetic production
- Optimization & safety analysis of maintenance procedures
- Machine-specific lockout/tagout procedures
- Confined space entry procedures
- Machine guarding analysis & design
- New technology implementation & training - bilingual (Spanish/English)
- Safety and health training - bilingual (Spanish/English)
- Food safety instructional materials, custom - bilingual (English/Spanish)
- Bilingual safety meetings
- Technical translation of environmental, safety and health documents

WORK HISTORY

2000 to present President, **Bilingual Training Solutions, Inc.**, Garland, TX

- Food handler training for City of Plano
- Developed swimming pool maintenance and operations course
- English/Spanish translation of documents and simultaneous interpretation services

2004 – 2006 Project Engineer, **Pro-Line International, Inc.**, Dallas, TX

- Project management, planning, budgeting and implementation throughout the plant
- Responsible for facilities maintenance
- and supervision of lockout/tagout and confined space entry programs
- Spanish safety training

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1992 – 2000 Progressed from manufacturing engineer to maintenance supervisor to senior project / manufacturing engineer, **Kraft Foods**, Garland, TX

- Completed line balancing, improving overall equipment effectiveness from 63% to 70% on one line and from 63% to 78% on another line
- Identified \$300,000 in savings, completed project justifications and designs to capitalize on them
- Led team that reduced oil usage variance from 3.7% waste to 1.8%, resulting in \$500,000 savings per year
- Designed and implemented preventive maintenance program that drastically reduced equipment emergency down time to 10%.
- Implemented high performance work system that significantly increased productivity to 70% scheduled work vs. emergency work
- Originated concepts and implemented plant recycling projects, resulting in over \$300,000 in proceeds for the plant in one year and over 2 million pounds of recycled materials

EDUCATION AND TRAINING

- 1992 **Southern Methodist University**, School of Engineering, Dallas, TX: graduated with a degree in Mechanical Engineering, minor in Spanish Literature
- 1992 **Texas Department of Health** certification as Food Protection Manager
- 1993 **National Mediation Academy**, Certified Mediator – basic civil, commercial, family and interpersonal disputes

CIVIC ACTIVITIES

- **LULAC National Education Service Center**, Dallas, TX, Gear-Up North Dallas High School Student Advisor:
 - Academic counseling, assistance with depression, food disorders, truancy, parent conflict resolution
- **Literacy Instruction for Texas (LIFT)**, Dallas, TX: volunteer instructor
- **American Cancer Society**, Dallas, TX: Hispanic Outreach Committee volunteer