

Kenneth A. Biliskov

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Summary

- Mechanical Designer - Electrical/Controls Designer - CAD/PDM Manager - Document Control Expert with 20+ years of extensive and diversified experience transforming concepts into workable designs with demonstrated results performing both independently and as a team member in fast-paced, results oriented environments.
- A familiarity with machining processes and metrology that has allowed me to design parts and equipment quickly and precisely while maintaining the highest quality results and efficient costs.
- Fluent in symbols, standards and terminology related to ASME, ANSI, GD&T.
- Strong ISO, FDA and Document Management background.

Career Objectives

- Continue to develop my experience and education to provide a engineering/manufacturing firm with a diversified and multi-skilled employee; Designer/CAD Manager
 - Contribute my skills in a position that will utilize my expertise with the design and fabrication of machined parts to close tolerances so as to provide the correct form, fit, and function, required to manufacture components, fixtures, equipment, and machinery.
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Experience***CAD Administration & Network Administration***

SolidNetWork Administration including; network licensing, installations and upgrades, shared files, AMSE Y14.100 standards, Product Data Management administration, SAP DMS administration, Windows Server 2008, Windows XP/Vista/7, Windows security, MP2, AS/400. EnterprisePDM development and workflow.

Drafting Supervisor

Manage the throughput of the drafting department to maintain quick turnaround of ECN's, including all monthly reporting of tasks, department budgets and goals, document vault and database auditing, and all drawing checking.

CAD/PDM/CAE Experience

SolidWorks2010 Office Professional, PDMWorks2010 Admin (Data Management), AutoCAD 2010, CMM Programming (GEOMeasure), CMMWorks, some CNC, DeSignWorks & PowerINSPECT utilizing a FARO Arm. Other software includes CADRA & CADRA Solids, some ProE and SolidEdge, & CADAM. Dimension 3D printer setup, use and maintenance.

Quality Assurance and Document Control

Improve procedures identified in audits through the CAPA process taking the lead role in many. Created new procedures to transition Incoming Inspection Reports, Engineering Project Management Files, and FDA Technical files to electronic control per FDA, CSA, and Philips Internal Standards. Inspection of outsourced equipment prior to shipment to ensure consistency with standards and codes. Knowledge of ASME, ISO and FDA standards as related to document creation and control.

Industrial Fixture Estimate, Design, Procure, Assemble and Install

Projects included design of fixtures for locating, assembling, transport, gauging, inspection, welding and brazing, laser welding, bending and forming, parts cleaning, vacuum firing, arbor press assembly, clean room assembly, balancing, glass lathe fixtures, vacuum chambers, manifolds, pressure vessels, and ergonomics. Directly involved in troubleshooting manufacturing processes including cost estimating.

Industrial Equipment Design and Installation

Pneumatic systems, hydraulics, lifting, automation, high speed machinery, high tonnage stamping equipment, vacuum processing equipment, cold welding tools, automated welding equipment, CO2 cleaning, precision assembly systems, oil pumping systems, geared assemblies, encoders, and induction heating equipment. Layout of factory floor, including power and process piping. Received US Patent #6,502,590 for the design of a Heat Exchanger Flushing Apparatus.

Industrial Electrical Design

Vast knowledge of electrical components and wiring devices used for various machines and applications including; power distribution, PLC's, sensors, switches, relays, motors, drives, heating, cooling, ultra high vacuum systems, high voltage, control enclosures, operator interface, terminal boxes, and safety. Extensive experience with NEC.

Product Design

Medical X-Ray tube design experience including; housings, heat exchangers, anode and cathode components, HV cables, and product packaging. Member of a "Packaging Optimization" quality improvement team, resulting in a 1st years saving of >\$1m. The team was entered into Philips Medical Systems QIC competition, winning the People's Choice Award and Overall Award at the local level, winners of the Peer Award at the Regional Level, and strong contender at the World Finals.

Technical Illustrator

Responsible for the creation of company defined packaging graphics in various formats. Responsible for all Product Technical Data graphics. Adobe CS4 experience.

Residential Electrical Design and Installation

Various design projects including design and install of power requirements and components for basements, garages, pools, spas, ponds, lighting, kitchens and baths per IBC, published local codes and approval by licensed electrician.

Residential Design and Construction

Many design and construction projects including; finished basements, new window installations, decks, yard structures & play sets.

Office Software

Very familiar with standard office suite software; Word 2007, Excel 2007, Project, PowerPoint, Access, Front Page, Publisher, Adobe Acrobat, Dreamweaver, Fireworks, Photoshop, and other Imaging & Web Software.

Employment History

Philips-Aurora, Dunlee division of Philips Healthcare – January 1997-Present

Developer and manufacturer of X-Ray tubes for the GTC (generator's, tubes, and components) division of Philips Healthcare.

CAD Administrator/Designer, EDC- January 2004 - Present

Responsible for configuration of the engineering server's (Microsoft Server 2003 & 2008) for 25+ SolidWorks and AutoCAD users and an additional 50+ PDMWorks users. Software maintained includes; Solidworks2010Premium, WorkgroupPDM, EnterprisePDM development, SolidWorks Simulation Professional and Premium, EMWorks (CosmosEMS), CMMWorks, AutoCAD Mechanical2010, AutoCAD2010, AutoCAD Electrical 2010, AutoCAD2005, AutoCADLT, MathCAD, FlexLM, DeSignWorks, PowerInspect, and many add-ons within the local organization and "sister" companies in TX and VA. Performed upgrades including Administrative Image downloads, patches, & service packs. Responsible for the accuracy and reliability of the engineering document vault. SAP Document Management System Administrator. Drafting Department Supervisor consisting typically of two to four permanent and/or contract designers/draftsmen. Technical Illustrator. Support for engineers on design projects. Modified the EDC department procedures for compliance with ISO 13485, FDA 21CFR 11, and ASME standards. Received the Management Award of Excellence for contributions to the company's achievement of ISO13485. Also received eight T.L.C. awards (Total Lower Cost) in 2009 for contributions on cost savings projects totaling >\$1.2m; the highest in the organization. Engineering liaison to the QA department for resolution of CAPA's and compliance to Regulatory and Environmental affairs.

Fixture/Equipment Designer - January 1997 - January 2004

Responsible for the design, procurement, installation, testing and release of all new production fixtures consisting of 100-200 new projects each year. Supervised 4 technicians, 4 machinists, multiple designers, and as many as 6 separate vendors simultaneously to insure projects were completed in a timely manner consistent with the needs of the business. Project Manager for new equipment projects including; mechanical design, electrical controls design, pneumatics design, process piping design, quoting, scheduling, procurement, supervising maintenance personnel and contractors during installation, coordination with PLC programmers, testing and release to production. Responsible for CMM programming, including fixture design, GD&T, checking/instructing other programmers, and training operators. Maintain great relationships with many machine shops, stamping, metal fabrication, and electrical controls suppliers.

Gragg Consulting Inc., Westmont, IL - Periodic

Independent consultant for newspaper press modifications to reduce cost of production. Including web width changes, folder modifications, ink rails, plate lock-ups and press arrangement.

Danly Machine L.P., Cicero, Ill – December 1989-January 1997

Tier One supplier and manufacturer of high tonnage stamping presses and automation equipment.

Electrical/Electronics Designer – Full Tenure

Main responsibilities included control panel design, machine wiring diagrams, operator interface & cable diagrams. Lead electrical, pneumatic, metered lubrication and hydraulic piping designer for press design projects & rebuild programs, including shop support and field services (5-10% travel) during installation.

CAD Administrator – Dual Duty 1994-1997

Manager of 20 station engineering network. System configured with 3 Sun Unix servers, 17 Sun Unix workstations, 2 Windows NT PC, 2 Windows95 PC's, 4 printers and 2 large format plotters. Software managed included Sun OS & Solaris, CADRA, CADRA Solids, Ansys and Microsoft Suite. Duties included installation, support, and repair of UNIX workstations, networking devices, plotters & printers, tape drives and other misc. equipment.

Rockwell International, Goss Press Division, Westmont, Ill – September 1985-December 1989

Engineering headquarters for high speed newspaper printing presses and folders.

CAD Detailer – 1987-1989

Duties included generating detail and assembly drawings of various components of high speed machinery including frames, platforms, and blower ductwork. Designer of press structure, layout of electrical components and schematics.

Engineering Services Clerk – 1985-1987

Performed blueprint and sepia reproduction. Operated ammonia based machines as well as large format Xerox and Oce machines and print folders. Audited the entire list (B.O.M.) file containing thousands of paper documents to determine the accuracy of the files. Took part in the audit of the engineering paper document vault consisting of hundreds of thousands of documents to determine the accuracy of the files.

First Class Design and Consulting Company, President - 2001-Present

Design and manufacture of tooling, fixtures, equipment and consumer products for a diverse range of industry.

Design and build of Finished Basements, Bars, Decks, Yard Structures, Play-sets, and General Carpentry

Education

Continually pursuing BSME focused on Mechanical Design.

Morton College - 1992-1994, Information Systems curriculum

Morton College - 1986-1990, 2 year mechanical design

Training

Feb 2010	Fisher Unitech – Enterprise PDM Workflow Developer Training
Jan 2010	Fisher Unitech - Enterprise PDM Editor and Contributor Training
Jan 2010	Fisher Unitech - Enterprise PDM Administrator Training
Jan 2009	Word2007 Training
Jun 2008	Excel2007 Training
Apr 2008	Outlook2007 Training
June 2007	MEDIC Methodology Training, pre-green belt
March 2005	Fisher/Unitech – PDMWorks Administration
Sept 2004	Fisher/Unitech – SolidWorks Advanced Part Modeling
Aug 2004	Fisher/Unitech – SolidWorks PhotoWorks
July 2004	Fisher/Unitech – SolidWorks Sheet Metal
June 2004	Fisher/Unitech – SolidWorks Advanced Assembly Modeling
Oct 2001	Mitutoyo - GeoMeasure6000 CMM Programming
Aug 2001	Kepner-Tregoe Project Management
Feb 2001	Northwestern University - Geometric Dimensioning and Tolerancing
Dec 2000	Mitutoyo - Introduction to Coordinate Measuring Machines and GeoMeasure6000
May 2000	Fisher/Unitech - SolidWorks Advanced Modeling and Advanced Assembly
May 1999	Vacuum One - Vacuum System Design
Dec 1998	Computer Aided Technologies - Introduction to SolidWorks
Oct 1994	Sun Microsystems - Solaris 1.x System Administration
Mar 1994	Allen Bradley Co. - PLC-5 Introduction to Programming
Oct 1992	Adra Systems Inc. - CADRA-III Advanced Training
