

About BDSI

Buckward Digital Services, Inc. specializes in technical graphics and video production for marketing, training, forensic analysis and legal presentations. Founded in 1998 by Buck Wyckoff, BDSI combines technical expertise with artistic vision to convey complex information with clarity and visual appeal.

Prior to 1998, Buck Wyckoff worked as a petrochemical plant piping designer, Gulf of Mexico oil exploration basemap producer and AutoCAD developer while getting his BS in geophysics. In 1990, he started work for a forensic and accident investigation company where he found his passion, communicating engineering and scientific data using the then nascent 3D graphics and animation software.

BDSI employs the latest software and data acquisition technologies running on powerful computer hardware to process, analyze and visualize client's products and information.

Resume

Alfred (Buck) Wyckoff Jr.

1980 – 1983 Fluor Engineering Inc. – Senior Piping Designer

- Determine equipment, structure, piping and instrumentation layout from process flow diagrams
- Construction of 3D plastic models, drafting and checking of drawings and isometrics
- Field verification of new construction, revamp work in existing plants

1984 – 1985 Litton Aero Services / Western Geophysical - Geophysical Data Clerk

- Log and maintain seismic, gravity and magnetic data sent from field surveys

1985 – 1990 Energy Graphics - Base Map Production / AutoCAD Department Manager

- Produce base maps for oil exploration clients in the Gulf of Mexico
- Manage client seismic, lease and well databases
- Manage plotting department
- Develop and manage AutoCAD department for data cleanup of base maps
- AutoLISP programming to optimize AutoCAD productivity

1986 - University of Houston

- Bachelor of Science in Geophysics

1990 – 1998 CH&A Corporation / EFI – CAD & Computer Graphics Production

- AutoCAD draftsman and manage company AutoCAD drawing database
- Created custom AutoCAD environments for P&ID conversion and engineering surveys
- 3D computer modeling and animation for accident reconstruction, including field work
- AutoLISP programming to improve 3D modeling capabilities

1998 – Present Buckward Digital Services, Inc. – 3D Graphics, Video & Data Acquisition Services

- 2D & 3D graphics and animation
- Faro 3D laser scanning, data processing, editing and 3D models conversion
- Licensed drone pilot - video, photography, 360 panoramas, pointclouds & orthomosaic photography
- DSLR photography, photo editing, 360 panoramas
- Innovative use of 3D graphics and scan data for forensic analysis, camera matching and CG comps

- Video production and editing, CAD services & AutoCAD (AutoLisp) programming
- Fluent in petrochemical plant design drawings and 3D plant modeling
- Hazardous site videography, photography, site drawings & evidence plotting

Projects

Phillips, ARCO, Pepcon, IMC and BP Texas City chemical plant explosions
100's of vehicular accidents, fires, explosions and personal injury cases
Hurricane Rita jack-up rig collapse and offshore platform collision
Cablelock, Atlas & Olshan foundation repair and water management commercials
Battle Mountain Gold diamond mine visualizations
World Trade Center Bombing
BP Deepwater Horizon incident
Video processing for bank robbery and biker bar shootout
El Paso pipeline rupture
Coker plant training animations
Tuboscope pipeline pigging animations
Tesco liner drilling animations
Medical procedure animations
Alton Belle riverboat casino CAD drawings