



3DScape; 97 Lennox, Irvine California 92612
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Background:

3DScape principal Timothy R Zack has 20 years of experience designing and producing high quality, cost-effective, visualization solutions for the architectural and engineering communities. 3DScape Associate Lee Roger Anderson has 36 years experience in visual resource analysis, visual resource management, environmental planning, site planning, master planning, recreation planning, and landscape architecture. 3DScape associate Kim Steven Waltz has over 25 years of experience as a design, and project architect, with a diverse project background spanning many industries: commercial, government, industrial, institutional, and residential.

3DScape provides a wide range of technical services in support of the design process, from large scale government projects of complex scope, to commercial work of diverse variety, and even the most intimate of residential ventures.

3DScape services begin with the earliest phases of project proposal. We evolve your vision throughout conceptual and detailed design, as well as, the approval and permitting process, including support for: **AFC**, **EIR**, and **EIS**. We serve a host of industries including, but not limited to: architecture, engineering, land developing, and city planning.

We also serve a host of regulatory agencies including, but not limited to: Federal Energy Regulatory Commission (FERC); USDA Forest Service; USDI Bureau of Land Management; California Public Utilities Commission (CPUC); and California Energy Commission (CEC).

3DScape design specialists possess formal education and extensive professional experience in the fields of: architecture, landscape architecture, design visualization, visual resource management, photography, multi-media, engineering, interior design, materials and methods, and lighting design.

Design Specialists:

3DScape Principal: Timothy R Zack - (Design Visualization Specialist)

- Bachelor's Degree of Architecture-California Polytechnic University, Pomona
- Applications For Certification, (**AFC**); Visual Resources
- Environmental Impact Reports, (**EIR**); Visual Resources
- Environmental Impact Statements, (**EIS**); Visual Resources
- Design Visualization Specialist
- 3D Studio Max - Auto Desk
- Combustion - Discreet
- AutoCAD
- Bentley Micro-Station
- Adobe Photo Shop
- Corel Draw
- Adobe Premiere (RT) Non-Linear Editing
- Speed Razor Non-Linear Editing
- DPS Perception Video
- Sound Forge XP
- Intergraph Model View Professional
- Kodak Photo Vista QTVR

3DScape Associate: Lee Roger Anderson - (Visual Analyst)

- Bachelor of Science in Landscape Architecture – Iowa State University
- Master of Landscape Architecture – Iowa State University
- Working knowledge of the following laws, standards, and visual resource management systems:
 - **National Environmental Policy Act.**
Requirements for Environmental Impact Statements (EIS) and Environmental Assessments (EA).
 - **California Environmental Quality Act.**
Requirements for Environmental Impact Reports (EIR), Mitigated Negative Declarations (MND) and Initial Studies (IS).
 - **Visual Resource and Scenery Management Systems of:**
USDA Forest Service (Author of FS Scenery Management System).
USDI Bureau of Land Management Visual Resource Management.
State of California Wild and Scenic Rivers System (Author of Visual Resource Management System).
FHWA and Caltrans Visual Impact Assessment and Scenic Resource Evaluation (VIA/SRE).

3DScape Associate: Kim Steven Waltz - (Architect)

- Bachelor of Science of Architecture – California Polytechnic University, San Luis Obispo
- Master of Architecture – New School of Architecture, San Diego
- Licensed Architect – California
- Certified Interior Designer
- NCARB Blue Cover Certified
- FEMA Certified
- Historic Architecture Specialist.
- Extensive experience in government projects: Department of Energy (**DOE**) and Department of Defense (**DOD**).

Approach (Design Visualization):

The visualization graphic techniques employed by 3DScape are designed to generate an effective, high profile, communications vehicle throughout the life cycle of any project; one easily assimilated by both technical and non-technical members of the decision-making process.

Exhibits are frequently leveraged, not only with state offices such as the California Energy Commission and California Public Utilities Commission, but with city councils, community agencies, as well as, local area residents. Many of the visualization exhibits crafted by 3DScape are ultimately utilized by project staff to meet the approved criteria set forth within environmental impact reports, (EIR)s.

Constructing powerful tools essential to project approval is just part of the invaluable benefit that 3DScape offers. By generating compelling, photo-realistic imagery at the proposal phase, 3DScape enhances the graphic communication of your vision, providing your team with a competitive advantage instrumental in achieving project awards.

3DScape also streamlines the design cycle by efficiently communicating design alternatives within your internal design staff, and to your client. In turn, this effectively reduces overall project schedule and cost by illuminating possible design issues before they ever reach construction.

3DScape also draws upon formal education and professional experience in architectural design, both conceptual and detailed, and on high technology projects of significant scope and complexity. This breadth of experience provides us with the unique ability to, not only understand your vision, but understand how to shape it into reality.

Approach (Visual Analysis):

Using site visits, photographs and maps of existing conditions, plus simulations of expected future conditions, 3DScape personnel write complete and comprehensive visual analyses for complex projects. Written visual analysis reports comply with regulations and standards of the US Government, state, county, and local governments. Each written visual analysis complies with Laws, Ordinances, Regulations, and Standards (LORS).

The photographic and visualization techniques employed by 3DScape include stringent professionally accepted standards. The use of computerized visual simulations is intended to present reasonable representations of an actual viewing experience. Simulations are typically prepared for key observation points (KOPs) which are selected for detailed analysis.

At each KOP, photographs are taken with a high resolution digital camera equipped with a high quality lens that equates to a "normal" focal length. When printed on 11x17-paper, each photograph appears "life-size" when held approximately 18-inches from the eye. Alternatively, when printed on 8½ x 11-paper, each photograph appears "life-size"

when held approximately 12-inches from the eye. All photographs are taken with the camera's focal length set for a "normal" view, thereby eliminating distortions that would occur if a wide-angle lens or telephoto lens were used.

Services:

- 3D Computer Model Generation and Data Base Assimilation
- Photographic 3D Simulation Design and Generation
- Photo Realistic Image Generation
- Professional High Resolution Digital Photography
- Broadcast Quality Animation
- Visual Resource Analysis and Report Preparation
- Visual Resource Management of Large Scale Landscapes
- EIR / MND preparation of Visual Analyses
- EIS / EA preparation of Visual Analyses
- Mitigation Monitoring of VRM Mitigation Measures and Design Features
- Architectural Conceptual Design
- Architectural Design Development
- Web Site Design and Graphics
- Logo Design and Branding Graphics
- CAD Production Drawings
- Broadcast Quality Non-Linear Editing
- DVD Mastering and Duplication

Served:

- Industrial
- Environmental
- Government
- Process
- Power
- Telecommunications
- Commercial
- Educational
- Residential
- Entertainment
- Institutional
- Office
- Hospitality

Clients:

Abengoa	KFM Engineering
ADNOC	KTGY Architects
AES Energy	Kuwait National Petroleum
Amoco	LA Cellular
Amore Fashions	Marathon Architects
Aspen Environmental	MVP Architects
Austin Company	Nortel
Brutoco Company	Orange County Sanitation Dist
Calpine	Pardue, Cornell, and Associates
Cal-Trans	Parsons/Brinckerhoff
Cameo Homes	Port Authority of Long Beach
Centex Homes	Port Authority of Los Angeles
CH2M Hill	Proctor and Gamble
City of Chicago	Reliant Energy
City of Long Beach	Robbins Jorgensen Christopher
City of Los Angeles	Soli-Flow Technologies
City of Sacramento	Skidmore, Owings, & Merrill
City of San Diego	Sun Coast Properties
Desilva Group	Taco Bell Corporation
Diamond Energy	Tetra-Tech EC Inc
Duke Energy	Unocal
ECT	URS Corporation
EDAW	U.S. Army Corp of Engineers
Edison Mission Energy	USDA Forest Services
Evans Properties	US Dept. of Defense (DOD)
Florida Power and Light	US Dept. of Energy (DOE)
Fluor Corporation	USDI - BLM
Forma	Visuart Graphic Communication
Foster Wheeler	VITAE Architecture Planning
Fuel Cell Engineering	WEC Corporation
HOK Architects	WLC Architects
INOVEX	Woodley Architectural Group
IBM Corporation	
Hunsaker & Associates	



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Scope of work on projects may include, but are not limited to, the following responsibilities:

Design Visualization:

3D conceptual model design/generation; materials, colors, and texture mapping design and application; photo realistic image generation; 3D simulation design and generation; 3D animation; non-linear post production editing; and integration and customization of Plant Design Systems (PDS) 3D data.

Visual Resources:

Consultation and coordination with local, city, county, state and federal agencies; assessment of existing visual conditions, visual quality, landscape character, and sensitive visual receptor locations; analysis of aesthetic/visual impacts of proposed project construction and operation; establishment of key observation points for detailed visual analysis; evaluation and recommendations for design features and project alternatives; determination of mitigation measures; preparation of high resolution digital photography, and mitigation monitoring during project implementation.

Architectural Design:

Site analysis; client coordination; Consultation and coordination with local, city, county, state and federal agencies; project programming; development and evaluation of design alternatives; conceptual design; design development; and detailed design.

Projects:

2011 - Court House Bay: Military housing project for the US Marine Corps, consisting of 3 mid rise attached housing structures, including a central hub club house and administration building. Site amenities also consist of outdoor gaming areas, including basketball courts and an outdoor amphitheatre. Harper, San Diego

2011 - Continental Housing Group: Military housing master plan for the US Air Force, consisting of 6 sites across the united states. Each site includes a diverse range of single family, duplex, and mid rise attached housing structures. Amenities also include landscape schemes, parks with sports fields, community club house buildings. The Continental Group & Pinnacle, Eielson-Alaska, Edwards-California, McConnell-Kansas, Eglin-Florida, Hurlburt-Florida, and Seymour Johnson-North Carolina.

2011 - Sunrise Power Link: High-voltage power transmission designed to bring 1000 megawatts of power from the Imperial Valley to San Diego County. (CPUC) (BLM), SDG&E, San Diego County.

2010 - South Africa Solar Park: 5,000 megawatt solar park located adjacent to the banks of the Orange River on the Northern Cape of South Africa. The master plan includes multiple photovoltaic and parabolic trough farms, and a visitor's center. Fluor Corp, Upington, South Africa.

2010 - Clipper Wind: New wind farm consisting of 40 wind turbine generators. Tetra Tech EC Inc., Benton County, Washington.

2010 - Warren County Power Station: New 1,300 megawatt natural gas fired, combined cycle energy facility, Dominion, Front Royal, Virginia.

2009 - Date Palm Drive: I-10FWY Interchange, KFM Engineering/Caltrans, Cathedral City, CA.

2009 - Mojave Solar Energy: Application For Certification (AFC), new 1,765 acre solar farm, Abengoa Solar, San Bernardino Co, CA.

2009 - Genesis Solar Energy: Application For Certification (AFC), new 1,800 acre solar farm, Tetra Tech EC Inc & California Energy Commission (CEC), Riverside County, CA.

2009 - Alta Oak Creek Wind Energy: Environmental Impact Report (EIR): new wind farm in the Tehachapi Mountains - 350 wind turbine generators (WTGs) up to 600 feet tall, new access roads, two operation and maintenance facilities, onsite electrical collection and distribution lines, an onsite electrical substation, and a new 230-kV power line. Aspen Environmental, Kern County, CA.

2009 - Pacific Wind Energy: Environmental Impact Report (EIR), new wind farm, Aspen Environmental Kern County, CA.

2009 - Lompoc Wind Energy: Environmental Impact Report (EIR), new wind farm - 90 wind turbine generators (WTGs). Aspen Environmental and County of Santa Barbara., Santa Barbara County, CA.

2009 - Shasta College Solar: New photo-voltaic solar farm IS/MND. Shasta County, CA.

2009 - Denali GTP: New, world scale gas treatment facility located in the Arctic, Fluor Corp and Denali Pipeline.

2009 - Bear Garden Power: New combined cycle energy facility, Fluor Corp., USA.

2009 - PurGen IGCCCKC: New refinery and combined cycle energy facility, Fluor Corp., USA.

2009 - Astoria Energy: New combined cycle energy facility, CH2M Hill, Astoria, OR.

2008 - Liberty XXIII: Renewable energy power plant, Environmental Impact Report (EIR): bio-fuel power, Aspen Env. Banning, CA.

2008 - Lake Elsinore Advanced Pump Storage Transmission: Environmental Impact Report (EIR), Aspen Environmental, Orange County, CA.

2008 - Fontana Energy: New combined cycle power plant, CH2M Hill, Fontana, CA.

2008 - Vacaville Energy: New combined cycle power plant, CH2M Hill, Vacaville, CA.

2008 - Lions Field Park: New community park, WEC Engineering, CA.

2007-10 - Tehachapi Renewable Transmission Project (TRTP): Environmental Impact Report and Environmental Impact Statement (TRTP EIR/EIS), Segments 4-11 EIR/EIS. new and upgraded high-voltage 500-kV transmission lines and substations to deliver electricity from new and existing wind farms in Eastern Kern County, California, to the greater Los Angeles Basin, as well as alternatives to Southern California Edison's (SCE's) proposed Project. 185 miles of transmission lines through Kern County, Los Angeles County, Angeles National Forest, Orange County, and San Bernardino County. The SCE-proposed project was analyzed from 55-KOPs with 55 simulations and visual impact assessments, and for the six alternatives, there were 35 additional simulations and visual impact assessments. Aspen Environmental, Kern, Los Angeles, and San Bernardino Counties, CA

2007 - Banning Sunset: Electrical sub-station: Aspen Environmental, Banning, CA.

2007 - River Way Substation: Mitigated Negative Declaration. Aspen Env. Visalia, Tulare County, CA.

2007 - CECP Power Facility: New combined cycle plant, CH2M Hill, Carlsbad, CA.

2007 - Edom Hills Wind Energy: New wind farm, Tetra Tech EC Inc, Cathedral City, CA.

2007 - CECP Power Facility: New combined cycle plant, CH2M Hill, Carlsbad, CA.

2007 - Avenal Power: New combined cycle power plant Environmental Impact Report (EIR), EDAW, Avenal, CA.

2007 - LMS 1000 Power: New combined cycle power plant, CH2M Hill, CA.

2007 - Wallula Energy Park: New combined cycle power plant, Fluor Corp, USA

2007 - Lutheran High School: New parking lot facility, EDAW, Orange, CA.

2007 - Indian Wells: Highway 111 modernization: WEC Corp, Indian Wells, CA.

2006 - MHI 600mw Class IGCC: New refinery and energy plant, Fluor Corp, USA

2006 - Dillon Wind Energy: Environmental Impact Report (EIR), new wind farm - 45 wind turbine generators (WTGs) up to 327 feet tall, Tetra Tech EC Inc, Palm Springs/Riverside, CA.

2006 - Brazos Hugo Energy: New combined cycle power plant, Fluor Corp, South America

2006 - San Juan Hills: 25 unit attached housing project, Sun Coast Properties, San Juan Hills, CA.

2006 - KNPC Refinery: The New Refinery Project, which is a grassroots, world class refinery to supply both their domestic and world market demand for ultra low sulfur petroleum products, initially replacing high sulfur fuel oil in Kuwaiti Power Plants. The New Refinery will produce 225,000 barrels per day of low sulfur fuel oil which will significantly reduce the current level of sulfur oxide emissions from the power plants. The New Refinery is comprised of three mini-refineries and associated support units, utilities, tank farms, off-sites, and infrastructure. It also consists of an off shore sea island, making it the largest refinery in the world. Fluor Corp & Kuwait National Petroleum, Al Zour, Kuwait

2006 - Tippecanoe: roadway modernization with I-10FWY Interchange, Tetra Tech Engineering and Cal-Trans, Los Angeles, CA.

2006 - Golden Eagle Refinery: Golden Eagle Refinery: Delayed coker refinery - The 166 Mbpd Golden Eagle refinery is located on approximately 2,200 acres about 30 miles east of San Francisco. It sources crude oil for the Golden Eagle refinery from California, Alaska and foreign locations, Fluor Corp, United States

2006 - Lang Ranch: Community Park, EDAW, Orange, CA.

2006 - Salem Lutheran: Sanctuary and school, EDAW & Disney Orange, CA. United States

2006 - Mariner's Cove: 40 unit attached residential, The Desilva Group, Forma, & KTG Y, Vallejo, CA.

2006 - Deer Ridge Golf Course: hospitality structure, Sun Coast Properties, CA.

2005-07 - Antelope Pardee: Environmental Impact Report and Environmental Impact Statement (A-P EIR/EIS) - (TRTP 1); new high-voltage 500-kV transmission lines from the Antelope Substation in northern Los Angeles County to the Pardee Substation in Santa Clarita, as well as five alternatives to Southern California Edison's (SCE's) proposed Project. The proposed Project included 25.6 miles of transmission lines through Lancaster, Los Angeles County, Angeles National Forest, and Santa Clarita, California. Aspen Environmental and CA PUC, Lancaster to Santa Clarita, LA County, CA.CA.

2005 - Blythe Energy: Wind turbine energy, Tetra Tech Engineering, Blythe, CA.

2005 - Orange County Sanitation District: Modernization of professional office campus and town center, City Of Orange County & Fluor Corp, Orange County, CA.

2005 - BPTT Cannon Ball Field: Offshore oil platform, Fluor Corp, South America

2005 - Coconut Point: 16 stage multiplex, stadium theater, Visuart-Forma, Coconut Point, CA.

2005 - Laurel Avenue: 2 story attached residential, EDAW, Hollywood, CA.

2005 - Port of Long Beach: Cargo loading, EDAW & Port Authority of Long Beach, Long Beach, CA.

2005 - Vallejo On The Water Front: Four story attached residential, The Desilva Group, Forma, & KTG Architects.

2005 - Sun Valley Electric: New simple cycle plant, Edison Mission Energy/CH2M Hill, Walnut, CA

2005 - Walnut Energy Park: New simple cycle plant, Edison Mission Energy/CH2M Hill, Walnut, CA

2005 - South Bay Energy: Environmental Impact Report (EIR), new combined cycle power plant, CH2M Hill/EDAW, San Diego, CA.

2005 - Amore Fashion: Web Site Graphics Design, Amore Fashions, Laguna Niguel, CA.

2005 - Topock Energy: New energy facility, CH2M Hill, Topock, CA.

2004 - Tuscany Hills: 400 one and two story residential units, Forma, Centex Homes, Hunsaker & Associates, Lake Ellsinore, CA.

2004 - Los Esteros Energy: New combined cycle power plant, Tetra-Tech EC Inc, CH2M Hill, Calpine Energy.

2003 - Canyon Hills: 280 residential units, 887 acres, Forma & Whitebird Inc. Los Angeles, CA.

2003 - S.A.R. and Parking Administration Offices: 19,000sf, Robbins Jorgensen Christopher - RJC Architects, Long Beach, CA.

2003 - BAPS: Community Temple, 20 acre parcel Hindu Mandir, Forma & VITAE Architecture Planning, Chino Hills, CA.

2003 - Rossville Energy Park: New combined cycle power plant, Tetra-Tech & Calpine, Rossville, CA.

2003 - Wonder Palms: 1.5 million sf. site, 14 mixed use Forma & Evans Properties, CA

2003 - Port of Los Angeles: Cargo loading, Forma & Port Authority of Los Angeles, Los Angeles, CA.

2003 - Containerized Cast Stone System: Automated storage and handling facility of low level waste and disposal and processing, US Department of Energy (DOE) & Fluor Corp, Richland, Washington.

2003 - San Dimas Canyon Center: 10,000sf retail, 84 attached residential units, Forma & Woodley Architectural Group, San Dimas, CA.

2003 - Murrieta: 24 attached residential buildings, 96 units, Forma & Cameo Homes, Murrieta, CA.

2002 - Orange County Sanitation: Modernized district campus; 40,000sf admin building, 29,000-square-foot IT and Café City Of Orange County & Fluor Corp, Orange County, CA.

2002 - Palm Island: 7 attached residential buildings, 140 units, Forma, Cameo Homes, & KTG Architects, Placentia, CA.

2002 - Pico Power: Combined cycle energy facility Environmental Impact Report (EIR), Tetra-Tech EC Inc & Parsons/Brinckerhoff, Pico, CA.

2002 - Tesla Energy: Combined cycle energy plant EIR, Duke Fluor Daniel/Foster Wheeler, Pico, CA

2002 - Frederick Energy: Combined cycle energy facility, Duke Energy, United States

2001 - Paducah UF6 Conversion: a plant whose purpose is to facilitate the conversion process of depleted uranium hexafluoride, US Department of Energy (DOE) & Fluor Corp, Hanford, Washington, North America

2001 - Syncrude: UE-1 Control center 44,000sf building, Syncrude & Fluor Corp, Canada

2001 - Grays Harbor: Combined cycle energy plant, Duke Fluor Daniel, CA.

2001 - Trimble Energy: Combined cycle energy plant, Duke Fluor Daniel, CA.

2001 - Waterford Power: Combined cycle energy plant, Duke Fluor Daniel, CA.

2001 - Forney: Combined cycle energy plant, Duke Fluor Daniel, CA.

2001 - Fort Pierce: Combined cycle energy plant, Duke Fluor Daniel, CA.

2001 - Jasper Power: Simple cycle energy plant, Duke Fluor Daniel, CA.

2001 - Oneta: Simple cycle energy plant, Duke Fluor Daniel, CA.

2000 - Bastrop Power: Combined cycle energy plant, Duke Fluor Daniel, CA.

2000 - Morro Bay: Proposed modernization to replaced existing power plant with a 2 phase, 2x600MW, combined cycle energy facility, Environmental Impact Report (EIR), San Luis Obispo, CA.

2000 - Long Beach 911: Environmental Impact Statement (EIS), This 42,000 SF, state of the art, base isolated complex, co-locates the City of Long Beach's Police Department, Fire Department, and Emergency Operations Center (EOC) into one essential services facility, City of Long Beach & Fluor Corp, Long Beach, CA.

2000 - Milwaukee Journal: 300,000sf office/production facility, Austin Comp, Milwaukee, Wisconsin

2000 - Anarbor News: 100,000sf office/production facility, Austin Company, Anarbor, Michigan.

2000 - Whythe Energy: Combined cycle energy plant, Duke Fluor Daniel, CA.

2000 - Colusa Power: Environmental Impact Report (EIR); combined cycle energy plant, Duke Fluor Daniel, CA.

2000 - Rio Linda: Environmental Impact Report (EIR); combined cycle energy plant, Duke Fluor Daniel, CA.

2000 - Tift Power: Combined cycle energy plant, Duke Fluor Daniel, CA.

2000 - Autuaga: Combined cycle energy plant, Duke Fluor Daniel, CA.

2000 - Curry: Simple cycle energy plant, Duke Fluor Daniel, CA.

2000 - Linden: Combined cycle energy plant, Duke Fluor Daniel, CA.

2000 - Newington: Simple cycle energy plant, Duke Fluor Daniel, CA.

1999 - M-70 Prototype Store: prototype store study to replace existing standard, Taco Bell, Irvine, CA.

1999 - Ripp Power: Combined cycle energy plant, Duke Fluor Daniel, CA.

1999 - King's Harbor Adaptive Reuse AES: Proposed a 3 phase design solution to adapt, and modernize, the existing power plant at King's Harbor, into a large multi use center, Redondo Beach & Skidmore, Owings, & Merrill, Redondo Beach, CA.

1999 - Titan: Research, and design support, for a series of strategic support and maintenance facilities, in preparation of an experimental prototype aircraft. The monolithic cargo ship, named the Titan, was designed as the largest aerodynamic structure capable of flight in the history of aeronautics, Fluor, (Location Classified)

1999 - IBM Executive Briefing Center: Design included: new entry lobby, multi-use, and expandable, briefing/presentation rooms, dining rooms, and a cafeteria, IBM/Fluor Corp, San Jose, CA.

1999 - Moss Landing: Environmental Impact Report (EIR); combined cycle energy plant, Duke Fluor Daniel, CA.

1999 - Hinds Energy: Combined cycle energy plant, Duke Fluor Daniel, CA.

1999 - Liberty Energy: Environmental Impact Report (EIR); combined cycle energy plant, Duke Fluor Daniel, CA.

1999 - Kaufman Energy: Combined cycle energy plant, Duke Fluor Daniel, CA.

1999 - Bell Energy: Combined cycle energy plant, Duke Fluor Daniel, CA.

1999 - McKlain Energy: Combined cycle energy plant, Duke Fluor Daniel, CA.

1999 - Jacks Energy: simple cycle energy plant, Duke Fluor Daniel, CA.

- 1999 - Whiting Energy:** Combined cycle energy plant, Duke Fluor Daniel, CA.
- 1999 - Kankakee Power:** Combined cycle energy plant, Duke Fluor Daniel, CA.
- 1999 - St. Lucie:** Combined cycle energy plant, Duke Fluor Daniel, CA.
- 1999 - Cook Power:** simple cycle energy plant, Duke Fluor Daniel, CA.
- 1999 - Tanner's Creek:** simple cycle energy plant, Duke Fluor Daniel, CA.
- 1999 - Muskingham:** Combined cycle energy plant, Duke Fluor Daniel, CA.
- 1999 - Lamar Power:** Combined cycle energy plant, Duke Fluor Daniel, CA.
- 1999 - Guadalupe:** Combined cycle energy plant, Duke Fluor Daniel, South America.
- 1999 - Odessa Ector:** Simple cycle energy plant, Duke Fluor Daniel, CA.
- 1999 - Maricopa Power:** Combined cycle energy plant, Duke Fluor Daniel, CA.
- 1999 - Midway Sunset Power:** Combined cycle energy plant, Duke Fluor Daniel, CA.
- 1999 - Lee:** Combined cycle energy plant, Duke Fluor Daniel, CA.
- 1999 - Avista Power:** Simple cycle energy plant, Duke Fluor Daniel, CA.
- 1999 - Poplar Power:** Combined cycle energy plant, Duke Fluor Daniel, CA.
- 1998 - IBM Computer Chip Design Bldg. #6:** design study for a long span, exterior, roof structure; one capable of insulating the failing roof structure below from hostile environmental factors, IBM & Fluor Corp, San Jose, CA.
- 1998 - Hidalgo Energy:** simple cycle energy plant, Duke Fluor Daniel, CA.
- 1998 - Frontera Energy:** Combined cycle energy plant, Duke Fluor Daniel, CA.
- 1998 - Sonat Energy:** simple cycle energy plant, Duke Fluor Daniel, CA.
- 1998 - AES Alomitos:** Combined cycle energy plant, Duke Fluor Daniel, CA.
- 1998 - Red Oak Energy:** Combined cycle energy plant, Duke Fluor Daniel, CA.
- 1998 - Sulcis Energy:** Combined cycle energy plant, Duke Fluor Daniel, CA.
- 1998 - Desoto Energy:** Simple cycle energy plant, Duke Fluor Daniel, CA.
- 1998 - Yanpet:** Oil and gas, petrochemical refinery, Saudi Yanbu Petrochemical, Yanbu, Saudi Arabia
- 1997 - Sincor:** Oil and gas, petrochemical refinery, Sincor & Fluor Corp, USA.
- 1997 - Pemex:** Oil and gas, petrochemical refinery, Pemex & Fluor, Mexico.

1997 - Ingleside, Eastern European Alliance: proto-type 600mw, combined cycle, co-generation power plant facility, Conoco Global Power, Eastern Europe

1997 - Fluor Daniel, Engineering/Corporate Campus: A collaborative design effort for the conceptual design alternatives of the 800,000sf engineering site, and the 130,000Sf corporate site, Fluor, MVP Architects, HOK Architects, Aliso Viejo, CA.

1997 - Mobile Beaumont: Combined cycle energy plant, Duke Fluor Daniel, CA.

1996 - San Diego 911: Emergency Communications Complex (ECC); EIR, Design and construction of a 38,000sf, base isolated, Emergency Communications Complex, which consolidates the existing Sheriff Communications Center, the Office of Disaster Preparedness' Emergency Operations Center, and the Department of Information System's computer support group into one essential services facility, Fluor Corp & County of San Diego, San Diego, CA.

1996 - Hunter's Point Revitalization: The conceptual design for the master plan intended to revitalize the area surrounding the decommissioned naval facility at Hunters Point. The project included commercial/retail, industrial, and residential components. It also contained coastline amenities, such as, docks, hotels, and maintenance shops. Fluor & City of San Francisco, San Francisco, CA.

1996 - San Francisco Airport Noise Abatement Study: Animated study created to determine the level of noise impact to surrounding communities along proposed flight paths for departing, and arriving, aircraft. Fluor & City of San Francisco, San Francisco, CA.

1996 - La Strada: Design and production of an animated vehicular drive down the 101 freeway in the city of Calabasas, who's purpose was to determine the visual impact of the proposed commercial/retail center, including: Theatres, restaurants, and a residential component. DMS Engineering, Calabasas, CA.

1996 - Soli-Flow: Design and production of a technology animation depicting the functional advantages of a new, non-turbulent, etty pump technology. Fluor & Soli-Flow Engineering Technology

1996 - Rayoneir Research/Development Lab: A lab devoted to the research and development of paper pulp technology including lobby, administrative offices, technical library, and state of the art industrial & research labs. Marathon Architects, Georgia, North America

1995 - Ruwais Refinery Expansion: Modernization and expansion for a large industrial/commercial complex in Abu Dhabi included: significant refinery plot design and industrial infrastructure, a large business support center, and mixed-use functions. ADNOC, Abu Dhabi.

1995 - St. Joe (Litigation): The litigation included a \$15 million lawsuit brought against multiple sub-contractors concerning allegations of environmental degradation to the Bartlesville Zinc processing site, established in the early 1940s. Fluor Daniel (Legal Group), Bartlesville, Oklahoma

1995 - PCS Engineering: The design of a 25,000sf Network Operations Center (NOC) for LA Cellular in support of their new fiber optics network. Unisite, Nortel, L.A. Cellular, North America

1995 - Las Vegas Grand Victoria (Litigation): The lawsuit was filed against the developer of the hotel "New York," by the neighboring hotel regarding the design of an elaborate, elevated, vehicular entry off of the main strip in Las Vegas. The plaintiff held that the construction of the proposed design would, unnecessarily, obstruct the view of their hotel, the "Grand Victoria," from approaching motorists on the strip. Grand Victoria Hotel, Las Vegas, Nevada.

1995 - Los Angeles Metro Rail: Design proposal for the "Redline" public transportation system, which included: multiple connecting terminals and studies of the proposed traffic network. City of Los Angeles, Redline, Los Angeles, CA.

1995 - WCRP Tritium Alternatives Technology: WCRP encompassed the design, and production, of a series of technology animations depicting handling, processing, and disposal; utilizing specialized building construction, and state of the art robotics technology. US Department of Energy (DOE)

1995 - Proctor and Gamble Food/Beverage: Major renovation and expansion of an existing production facility, which included both assembly line manufacturing and office support space. Proctor & Gamble, Anaheim, CA.

1995 - Unocal Geothermal Project: Geothermal energy production facility, Unocal, USA.

1995 - Fuel Cell: Structure for Fuel cell technologies, Fuel Cell Engineering & Fluor Corp, USA.

1995 - Midor Refinery: Oil and gas, petrochemical refinery, Midor & Fluor Corp, South America

1995 - Puerto La Cruz: Refinery expansion; oil and gas, petrochemical refinery, Fluor Corp, Venezuela

1994 - Alumbra: Mining and minerals facility, Fluor Corp, Argentina

1994 - HWVP Low Level Waste Storage: HWVP included the design, and production, of a technology animation depicting the handling, processing, and disposal of nuclear waste products; utilizing specialized building construction, and state of the art robotics technology. US Department of Energy (DOE), Hanford, Washington

1994 - Pertamina: Phase 1, to introduce new, and to modify existing electrical substations and to prepare necessary design alternatives for Phase 2. Government of India, India.

1994 - Valdez Marine Terminal: Upgrade for the vapor pipeline network within the existing Valdez port terminal. State of Alaska & Alyeska Pipeline Services, Valdez, Alaska.

1994 - Diamond Energy: Combined cycle energy plant, Duke Fluor Daniel, CA.

1993 - Caltrans - RTOC: Conceptual design for an expandable 70,000 SF Regional Transportation Operations Center, (RTOC), intended to house state of the art communications equipment and emergency backup systems serving: police, CHP, and fire. City/County of Sacramento, Sacramento, CA.

1993 - Madera II: Correctional Facility, County of Madera & Fluor Corp, Madera County

1992 - Chicago 911: State of the art 130,000sf 911 Emergency Communication Center for the fire/police departments of Chicago. City of Chicago, Chicago, Illinois

1992 - E3R-Eastern European Embassy Renovation: Renovation of six buildings in former Soviet bloc republics for use by the Department of State as United States Embassies. U.S. Army Corp of Engineers, CIS States, Eastern Europe

1992 - Sunnyvale Performing Arts Center: 80,000sf Performing Art Center including main auditorium, studio theatre, administrative offices. City of Sunnyvale, Sunnyvale, CA.

1992 - Signal Hill: Communications transmitter site in the city of Long Beach. Long Beach, CA.

1992 - Winthrop: Tennant relocation, open office, Winthrop Management & Fluor Corp, Irvine, CA.

1992 - Fireman's Memorial: Los Angeles Fire Department & Fluor Corp, Los Angeles, CA.

1992-94 - WCRP (Weapons Complex Reconfiguration): US government sponsored project for the study of a total reconfiguration of nuclear weapons facilities, in accordance with new environmental requirements for the Department of Energy. United States Department of Energy (DOE/DOD), North America.