

Alaska “The Last American Frontier”

Afognak Native Corporation, Alutiiq Center, Anchorage Alaska



Afognak Native Corporation (ANC) is a people proud of their 9,000 year uninterrupted past, but looking firmly to the future through management of our lands and investment portfolio.

ANC was organized in 1977 and is jointly owned in perpetuity by shareholders who trace their descent from the Alutiiq settlements on Afognak Island in the Kodiak Archipelago. Allotted a small cash settlement and 160,000 acres as a part of the Alaska Native Claims Settlement Act in 1971, ANC has grown that seed into a diverse company with over 3,000 employees and a \$250 million worldwide enterprise with operations in construction, manufacturing, technology, physical security, and IT.

Alutiiq, LLC is a wholly owned subsidiary of Afognak Native Corporation

(ANC). ANC was organized pursuant to the Alaska Native Claims Settlement Act of 1971. Alutiiq, LLC (pronounced Ah-LOO-tick) is named after the Shareholders of ANC, the Alutiiq people who have inhabited the Kodiak Archipelago for over 7,500 years.

Alutiiq has created, and successfully operates several companies dedicated to providing qualified assistance in the areas of facilities operations, construction management, information technology, physical and electronic security, logistic support services and youth training. Their experienced personnel in conjunction with a select team of subcontractors are working worldwide.

Native Corporations with Headquarters in Alaska have the requirements to effectively communicate and share business information with locations throughout the lower 48 states.

The new Afognak Native Corporation, Alutiiq Center in Anchorage recently installed a world-class telephony system and several technologically advanced conference rooms including a Museum dedicated to the History of the Alutiiq people and Afognak Island.

The new 5 story building located on Arctic Blvd in Anchorage features a Museum on the first floor with several display cases of historical Native Alaskan tools, clothing and other artifacts as well as a large model of the Afognak Island coastline. Located around the large model are touch screens that guide visitors through an Audio Visual Heritage of the Alutiiq people and Afognak Island. Beck Interiors of UK provided the major artifact display areas.

VICOM, Virginia Integrated Communication of Virginia Beach, VA was commissioned as the integrator for the Audio-Visual and IP Telephony technologies for the project. Vicom has provided these solutions for several other Alutiq locations within the United States. For this project Vicom provided an Avaya IP Telephony solution for the entire building along with the audio-visual integration for six areas.

Koonce Pfeffer Bettis, Inc provided the building's Architectural design and RBA Engineering provided design assistance and conduit layout required for all cabling.

The Museum provides an opportunity to step back in time and catch a glimpse of the way of life on Afognak Island and a proud people.

The Museum features a large 65" x 116" Nippura Blue Ocean Rear Screen with a Panasonic PT-D7700U 6,000 ANSI Lumen 3 Chip DLP Native 16:9 Projector as the Main interactive display.



The large display is provided using only 9 feet of space behind the screen. This was accomplished with the use of a custom Da-Lite RPM Rear Projection Module. Up to 4 images can be displayed simultaneously through an Extron MGP-464 Quad Video Processor. A presentation is displayed in one of the quadrants, a slide show from an Extron GSS100 Graphic Still Store in another, and 2 DVD Movies using Pioneer professional DVD Players are shown in the last two quadrants.



A Crestron STX-1700C wall mounted touch panel allows visitors to interact with the giant display. Visitors can bring any quadrant full screen, and then easily switch back to the multi-quadrant display. A hidden press-and-hold button allows the customer to remove the panel from the wall and operate wirelessly. It also provides access to additional controls such as audio volume, DVD transport controls and High Definition Cable TV for special events.

Two separate zones of system audio are provided through an Onkyo TX-SR55 commercial grade audio amplifier. Zone one audio is delivered through two Speakercraft AIM series in-wall speakers and a Speakercraft powered in-wall subwoofer. This provides the main audio for the large screen. For the second zone a "Babbling Brook" sound is provided around a Kayak exhibit. The Zone 2 sound is provided by a Mackenzie Minimax Repeater and two JBL Control 24C speakers.

The 3rd, 4th & 5th Floors have smaller conference rooms that utilize Smartboards and NEC WT-610 Short Throw Projectors. This eliminates the bright light in the face, and cuts down the shadows on the screens.

System control is provided through an Extron MLC-104 Medialink Wall Mounted Controller & MLS-304SA Switcher. This provides simple control of projector functions (on & off, source switching & volume control) System audio is provided through the Extron Medialink switcher and four JBL Control 26C speakers in each room. A Laptop interface is provided on the table with an Extron HSA200 Pop-up in brushed aluminum.



One of the large conference rooms on the fourth floor is comprised of two 84-inch diagonal Nippura Blue Ocean rear screens. The 84-inch rear screens are filled using only 40 inches of space behind each of them. This is accomplished with two Panasonic PT-D3500U projectors with short throw lenses and two Custom Da-lite Rear Projection Modules (RPM)



Videoconferencing is one of the main purposes of the 4th floor conference room. A Polycom VSX8400 videoconferencing system with two Polycom Ceiling Mic Arrays was selected for this critical function. Since Anchorage is the corporate location for both companies it is critical that they maintain high quality communication with the lower 48 states.

Additional video features are provided through utilization of a Standard Computer and Smart Sympodium. Dual ClearOne ceiling document cameras and VCR/DVD players are also selectable. Four Extron Cable Cubby 800 units are provided for simple connectivity of laptops and other peripherals at any location around the table.

Any input can display directly on either screen or be sent to the far end during a videoconferencing session.

System audio is provided using a Tascam AV-452 Amplifier and half a dozen JBL Control Series ceiling speakers.

System Switching is performed using an Extron MVX 8x4 VGA Matrix Switcher. All Composite and S-Video signals are scaled to XGA using an Extron DVS-304 Scaler.



Simple system control is provided through a Crestron Wireless TPMC-10 Touch Panel and PRO2 Controller.

The Crestron system also provides control for audio conferencing, lighting and window shades in the room. All system components are connected to the network for simplified management.

The system equipment rack is hidden in cabinetry located within the room. Simple access to the rear of the equipment rack is provided by the use of a Middle Atlantic SRSR Sliding Rotating Rack.



As a finishing touch, custom leather place mats and coasters with the customer logo pressure stamped were provided at each seat around the table.



The 5th Floor Conference Room was one of the major design areas for Koonce Pfeffer Bettis Architects. This is the corporate conference room for the Afognak Corporation. The AV system rack and rear screen access area hides away on the left side of the screen and virtually disappears with a pocket door. The pocket door matches a wooden panel on the right side of the screen providing a clean finished look when in the closed position.

The Large 84 inch Nipurra Blue Ocean Rear Screen is suspended off the wall with stand-offs and is surrounded by white glass panels. A

Panasonic PT-D3500U projector with short throw lens provides a high quality picture on the rear screen. A custom Da-Lite Rear Projection Module (RPM) was utilized in the 40-inch deep area behind the screen.

Both presentations and videoconferencing will be the key purposes for this room. The Polycom VSX8400 system was selected for videoconferencing. Both ISDN and IP networks are available for video calls. Multipoint and content options were included to allow the end user the capability to videoconference with up to five other sites simultaneously.

Eight Audio-Technica ES945W button style table microphones were installed in the table for audio & videoconferencing.



A Polycom EF2280 Vortex was used as the microphone mixer and echo cancellation device. The Vortex also provides the phantom power required for the table microphones.



Several video sources are available in both the local presentation and videoconferencing modes. An Extron MGP-464 Quad Video Processor was installed allowing the end user to display up to four images on the screen simultaneously. Two ClearOne ceiling document cameras were provided enabling the ability to share clear color objects from multiple locations around the table. A DVD/VCR was installed for DVD & VHS content to be presented.

System switching is done with an Extron Crosspoint 128 HVA Matrix Switcher. All composite and S-Video sources are scaled to XGA through an Extron DVS-304 Scaler.

A Smart Symposium is provided for interactive computer presentations. A 77-inch Smartboard is also installed in the rear of the room and is configured for non-projected mode. This allows end users to use the Smartboard as a dry erase board and capture the notes on the computer. The Smartboard is installed behind sliding white glass doors and is surrounded by white glass panels mirroring the design of the front wall.

Audio is provided through a Tascam AV-452 Audio Amplifier and half a dozen JBL Control Series ceiling speakers.



Simplified control of all components is key for installations of this magnitude. The Crestron TPMC-10 Wireless Touch Screen and PRO2 controller were chosen for this installation. Simple control is provided for all equipment during local presentations and videoconferencing. Lighting and motorized shades are also controlled from the touch panel.

To Left: Architect rendering of 5th Floor Conference Room courtesy of Koonce Pfeffer Bettis, Inc.

Vicom provided a complete IP Telephony solution using the Avaya IP Office 412 system for the entire building.

Avaya Phone Manager Pro was installed on all of the customer computers providing a simplified end-user telephone interface on the users PC. The Avaya IP Office was also connected to all other Afognak-Alutiiq locations throughout the United States via IP utilizing the customer's Wide Area Network (WAN). This enabled 4 digit dialing between locations eliminating the need for multi-location long distance calls. This also provided a method for simplified conference calls between locations.



Unified Communications / Integrated Messaging was also implemented for all users. This enabled end-users to receive voice mail messages both on the traditional telephone and also in email. Integrated Messaging converges the voice mail and email into one familiar interface and allows simple forwarding and control of messages.



The Avaya IP Office offers extensive management software allowing the IT staff to effectively manage the corporate wide IP telephony solution.

Taking advantage of all Avaya has to offer, Afognak-Alutiiq implemented Avaya Voice-Over-IP Soft Phones for their mobile workforce. This allows remote workers to travel from one place to another without losing contact with customers, co-workers and vendors. The Avaya IP Office also features the extension to cellular feature allowing calls to be forwarded to mobile phones.

Choosing the right telephony solution is critical. Afognak-Alutiiq chose Avaya for the extensive feature set, expandability, reliability and ease of use.

Combined with the highly reliable customer communications network the Avaya IP Office provided the high-level availability and reliability they required.



A solution is only as good as the team that designs it. At Vicom, we employ highly experienced professionals to ensure exceptional results. Our expert team is comprised of designers, engineers, project managers, field engineers and support personnel who work together on every high-quality, economic solution we provide.



Vicom specializes in turn-key design, installation and maintenance of voice, video & data technologies. We deliver service with every step of the design-build process. Vicom offers dedicated engineering, warehousing and integration areas, paired with the industry's finest engineers, project managers and technical support personnel to ensure that every project meets your expectations with on-time, on-budget results.

Our staff is highly trained and certified on all product lines. The certification process is in place to ensure you will always be offered the right solution the first time - every time.