



THE WORLD'S LEADER IN FABRIC BUILDING SYSTEMS™

A dark, grayscale world map is centered in the background of the page, showing the continents of North America, South America, Europe, and Africa.

# EXPERIENCE & CAPABILITY OVERVIEW

*The information contained is technical.*



the

# **MOST ENDURING** Building Systems

Alaska Structures, Inc. has been developing and providing Fabric Building Systems for thousands of customers worldwide. We have produced and tested thousands of building designs in an exhaustive effort to develop the ultimate building solution which will meet any challenge, functional or environmental.

Since its inception, Alaska Structures has extensively tested and improved our building systems utilizing field testing, in-house research and development, third party independent laboratories and decades of customer feedback. This diversified and independent scrutiny of multiple building designs has provided critical information key to the development of our enduring fabric building systems. This goal has been accomplished by combining 21st century engineering ingenuity with experience and time-honored principles of structural integrity.

Customers around the world have been served successfully by our company for decades. Our buildings have been proven in nearly every industry including mining, oil and gas, chemical and nuclear, industrial construction, medical, government and military, emergency response, residential and even Hollywood.

**EXCLUSIVELY AMERICAN MADE**  
*Quality taken to extremes®*



## COMPANY OVERVIEW

Alaska Structures Inc. (AKS) was created to fill a need for quality constructed reliable building systems. Since 1975, AKS has been engineering, developing, producing, fielding, and supporting durable buildings and HVAC systems for camp requirements and large building infrastructure all over the world.

- Nearly 40 years in business
- Over 325,000 square feet of manufacturing and R&D space
- Over 30,000 facilities produced on time and within budget in the last 10 years
- Less than one percent warranty claims received
- Strong financial position





## Partial Customer List



NATURAL ENVIRONMENT RESEARCH COUNCIL





## ***Inventory & Manufacturing Capability***

*Buildings and complete camp systems on the shelf - ready for immediate shipment*

AKS has manufactured up to 900 buildings and 1,000 HVAC units per month.

AKS has thousands of satisfied customers due to our great products, fast delivery, rapid installation and great after-sale customer support.

**AKS is the original manufacturer.**



## ***Logistics: The Global Reach***

Alaska Structures manufactures, ships, receives and installs our structures around the world.

Our team utilizes all the techniques of project management to successfully plan, initiate, execute, monitor and complete a project.



# ALASKA STRUCTURES™

## *The Original Manufacturer*

*Unmatched quality. Unmatched production capability.*

Alaska Structures has the ability to manufacture all the components of our building systems. In doing so, we are able to guarantee the highest quality standards to produce an engineered building that is capable of withstanding the most extreme conditions anywhere in the world. This capability also increases our quality assurance as well as delivery and manufacturing times.

*Our in-house production capabilities include:*

### **BUILDINGS**

*up to 150 feet wide and any length*

### **COMPLETE CAMP SYSTEMS**

*capable of providing our own setup crew accommodations*

### **ELECTRICAL & MECHANICAL SYSTEMS**

### **POWER GENERATION & DISTRIBUTION SYSTEMS**

### **POWDER COATING**

### **FLOORING**

### **INSULATION & HVAC**

### **ENGINEERING & DESIGN**

### **RESEARCH & DEVELOPMENT**

### **CHAMBER TESTING**

### **TURN-KEY INSTALLATION**

*including customer / First Nations training*

*No other building manufacturer is the OEM  
for complete building systems!*



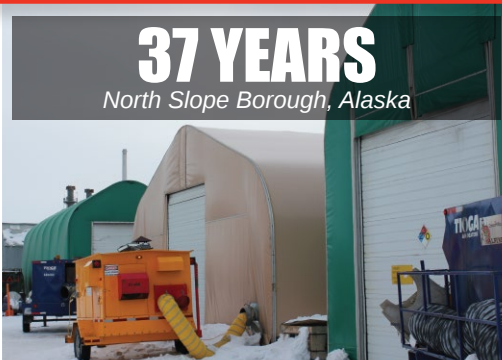
**NO OTHER BUILDING MANUFACTURER HAS THE PROVEN EXPERIENCE PROVIDING SUCH A WIDE RANGE OF BUILDINGS FOR SO MANY APPLICATIONS**





**18 YEARS**

*Colville River Delta, Alaska*



**37 YEARS**

*North Slope Borough, Alaska*



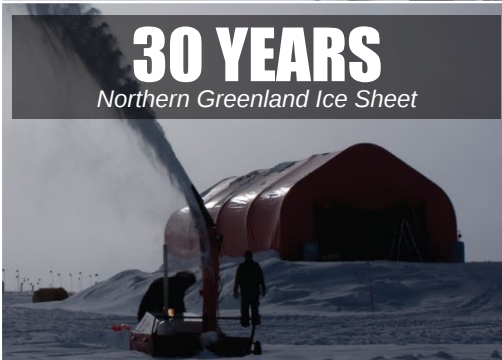
**22 YEARS**

*Brooks Range, Alaska*



**22 YEARS**

*Milne Point, Alaska*



**30 YEARS**

*Northern Greenland Ice Sheet*



**19 YEARS**

*Far East Russia*

# UNMATCHED LONGEVITY

NO OTHER BUILDING MANUFACTURER HAS THE PROVEN EXPERIENCE OR ABILITY TO ENGINEER BUILDING SYSTEMS CAPABLE OF WITHSTANDING EXTREME ENVIRONMENTS AND OFFER A SUPERIOR AND UNMATCHED LIFESPAN.



**23 YEARS**

*Kotzebue, Alaska*



**25 YEARS**

*Northwest Arctic Borough, Alaska*



**36 YEARS**

*Fairbanks, Alaska*



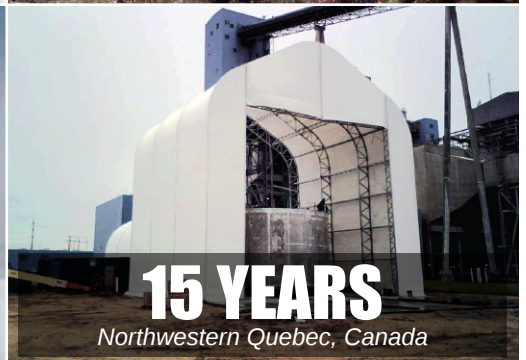
**13 YEARS**

*Northwest Territories, Canada*



**25 YEARS**

*Antarctica Research Project*



**15 YEARS**

*Northwestern Quebec, Canada*



An aerial photograph of the African continent, showing various geographical features like the Nile river, the Sahara desert, and the Great Rift Valley. The map is centered on the continent, with the Atlantic Ocean to the west and the Indian Ocean to the east.

# AFRICA

## PROJECT EXPERIENCE

<i>Angola</i>	<i>Libya</i>
<i>Djibouti</i>	<i>Mauritania</i>
<i>Eritrea</i>	<i>Morocco</i>
<i>Ethiopia</i>	<i>Sudan</i>
<i>Ghana</i>	<i>Tanzania</i>
<i>Ivory Coast</i>	<i>Uganda</i>
<i>Kenya</i>	<i>Zambia</i>

# WEST AFRICA

*1,000-Person Camp In Operation Since 2010*



## *320-Person Camp. 14 Days for Complete Setup.*

AKS was contacted by a large mining company with an extremely urgent request for a complete camp system in a high-wind desert location where temperatures reach above 120°F. AKS was able to meet the customer's requirement by providing a 320-person camp which was on the shelf and ready for immediate shipment. The camp was delivered from the U.S. to the site in West Africa in 26 days. AKS constructed the entire 320-person camp in 14 days with 90% of the work completed by non-skilled local labor that AKS trained.

## *Expanded to 1,000-Person Camp.*

As a result of the successful completion of the initial 320-person camp order, the customer ordered an additional 720-person camp.

This customer has a 500-person Alaska Structures camp that has been operational for over 13 years!

# WEST AFRICA



*70' x 130' Cricket Stadium*





# WEST AFRICA

## **ALASKA STRUCTURES BUILDINGS PROVIDED:**

- (36) Manager Dormitory Buildings
- (20) Contract Labor Dormitory Buildings
- (1) EPCM Office
- (1) Executive Gym Facility
- (1) Cricket Stadium
- (1) Soccer Stadium
- All Environmental Control Units and Air Distribution and Ventilation Systems
- All Interior Building Components to the wall including Furniture, Lighting and Electrical
- Labor contract to install all facilities and trail local labor to relocate the camp



# ETHIOPIA



## 96-PERSON CAMP DANIKIL DEPRESSION

*January 2012*

*330 feet below sea level. Extreme heat of +140 °F.*

A large mineral exploration company had a limited time to begin drilling exploratory drill holes within the Danakil Depression area of Ethiopia, commonly referred to as "the hottest place on earth". The customer was adamant the structures provided would withstand such extreme conditions (+140 °F). AKS was required to provide a proven history of providing structures capable of operating in these temperatures. The customer had been searching the globe for camps they could purchase and ship immediately. AKS had the entire order packaged and prepared for shipment within 48 hours of notice to proceed. This exceeded the customer's 7 day procurement requirement. The entire order was air freighted directly to Addis Ababa and transported directly to the site.

### *Building specifications:*

#### **DORMITORY STRUCTURES**

- (12) 20' x 26' SQ - 8-Person Structures
- (12) AKS European Lighting & Electrical Systems
- (12) AKS 5-Ton European ECU
- (12) AKS Roto Molded Container
- (12) AKS Sub-Flooring Systems

#### **DINING & RECREATION FACILITIES**

- (2) 26' x 50' SQ - 50-Person Diner & Recreation / Office Structures
- (2) AKS European Lighting & Electrical Systems
- (4) AKS 5-Ton European ECU
- (4) AKS Roto Molded Container
- (2) AKS Sub-Flooring Systems

**AKS** IS THE MOST WIDELY USED  
**PRE-ENGINEERED**  
**CAMP SYSTEM PROVIDER**  
**IN THE MIDDLE EAST**

*30,000 dormitory units fielded since 1999.*

*Over 90% of the Department of Defense camps in Iraq and Afghanistan are Alaska Structures.*



# HOT WEATHER EXPERIENCE

Our camp systems and pre-engineered building technology has been tested and passed independent laboratory tests for rain intrusion, wind loads, snow loads, heating and cooling, fire, mobilization and demobilization, as a part of major contracts.

The result of AKS capabilities: Providing over 30,000 individual camp structures to date in Saudi Arabia, Afghanistan and Iraq.

Over the last 10 years Alaska Structures has proven its ability to perform in this environment.

## *Test Proven Capabilities:*

Maintains 75°F interior at 110°F and -55°F ambient with appropriate cooling.

Engineered for extreme wind loads: Fielded camps in Middle East engineered for 80 mph sustained wind and 100 mph gusts.

Vector proofing sealed environment eliminates dust and other contaminants.

Camps in use for over 10 years in large volume with less than zero material deficiencies reported.

Partial Reference List:

## *Sample Camp Contracts - In Last 5 Years*

One each (1) 1,000-person camp; and Thirty Nine each (39) 300-person camps

Contract Value: \$88,453,000.00 USD  
Date of Performance: 2009-2013

(12) Twelve each, 300-person camps

The camp facilities include over 450 Alaska Structures housing systems, Environmental Control Units (HVACs), Generators and Power Distribution Systems

Contract Value: \$30,146,000.00 USD  
Date of Performance 2009 - 2013

Over 2,400 individual Alaska Structures were provided complete with Environmental Control Units, generators and power distribution systems.

Contract Value: \$107,116,000.00 USD  
Date of Performance: 2009 - 2013



THE WORLD'S LEADER IN FABRIC BUILDING SYSTEMS™

**ADDITIONAL  
PROJECT  
EXPERIENCE**





# RED DOG ZINC MINE



**23 YEARS IN OPERATION**

**OPERATED BY:** TeckCominco

**PROJECT DATE:** 1990

**LOCATION:** Kotzebue, Alaska

**CONDITIONS:** Corrosive Sea Spray  
Required Rapid Installation, Less than 30 days!  
120 MPH Winds / 65 lbs./ft<sup>2</sup> Snow Load

**PROVIDED:** 1+ Mile Long Conveyor Enclosure  
500-Person Camp  
Workshops,  
50,000 ft<sup>2</sup> Warehouses  
Equipment Shops



**1+ MILE LONG CONVEYOR ENCLOSURE**  
*Current Satellite Photo. Installed in 1992.*





# TRANS-ALASKA PIPELINE



*20 YEARS IN OPERATION*

**OPERATED BY:** Alyeska Pipeline Service Company

**PROJECT DATE:** 1997

**LOCATION:** Trans-Alaska / North Slope, Alaska

**CONDITIONS:** 100 MPH Winds / 80 lbs./ft<sup>2</sup> Snow Load

**PROVIDED:** (7) Buildings including: Pump Station Enclosures, Workshops, Storage and Maintenance Facilities





# NORTH SLOPE MAINTENANCE FACILITY

## Schlumberger

AKS provided the first soft sided buildings of their kind that ever existed on the North Slope of Alaska in 1982.

There were 11 buildings initially installed on the site and to this day one of the remaining buildings is installed at a Schlumberger employees home as it was auctioned as part of the company history memorabilia.

To date AKS has had a 31 year relationship with Schlumberger providing buildings in arctic conditions (130 MPH winds / 80 lbs./ft<sup>2</sup> snow load) because of our company's ability to quickly provide buildings for extreme environments.

The most recent building was shipped two weeks after order.



Photo taken 12 years after installation



# FAR EAST RUSSIA MINE

## KINROSS

**13 YEARS IN OPERATION**

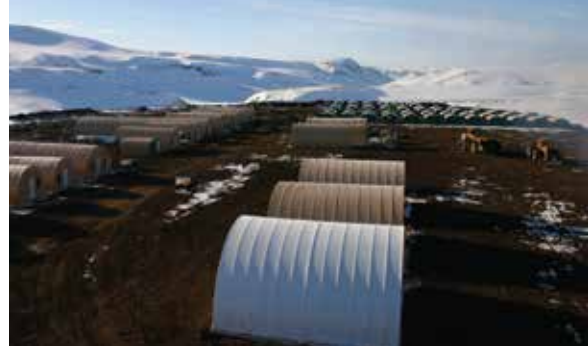
**OPERATED BY:** KINROSS

**PROJECT DATE:** 2000 to Present

**LOCATION:** Kupol (2000) and Dvionoye (2005), Russia

**CONDITIONS:** Extreme Cold: Average winter temperature of -65 °F / Less than 50 days per year without snow  
120 MPH Winds / 50 lbs./ft<sup>2</sup> Snow Load

**PROVIDED:** Initial 500-person complete camp provided in 2000. In 2011, KINROSS added an additional 200-person manager camp to supplement the original facility.



# PHOTO TAKEN 19 YEARS AFTER INSTALLATION



## HIGH ALTITUDE EXPLORATION

### RIO TINTO

LONG TERM RELATIONSHIP FOR 20 YEARS AND COUNTING...

**OPERATED BY:** Rio Tinto

**PROJECT DATE:** Exploration Camp installed in 1993 *(Picture from 2012)*

**LOCATION:** High Andean Desert, South America

**CONDITIONS:** 13,150 ft. Above Sea Level  
90 MPH Winds / Extreme UV Exposure

**PROVIDED:** To date, Rio Tinto has purchased camps for nearly every continent of the world





# HIGH ALTITUDE MINE

**PROJECT DATE:** 2011 to Present

**CONDITIONS:** Cold Climate / Extreme Elevation: +14,700 ft.  
93 MPH Winds / 63 lbs./ft<sup>2</sup> Snow Load  
Fast Delivery / Setup Requirement

**PROVIDED:** **2011** (*largely from stock*):  
70' x 165' - Dining Facility  
70' x 105' - Dining Facility  
(4) 24' x 120' - Recreation Facility  
24' x 60' - Chapel  
40' x 60' - Internet Café  
70' x 105' - Aggregate Storage

**2012:** 760-Person Camp  
(23) 24' x 67.5' - Dormitory Facilities  
Fully-Connected Arctic Corridor System  
800-Person Kitchen Facility  
70' x 165' - Dining Facility  
70' x 32.0m - Dining Facility  
50' x 75' - Dining Facility  
24' x 130' - Gymnasium  
24' x 130' - Office  
24' x 65' - Laundry  
24' x 65' - Recreation  
24' x 65' - Warehouse  
24' x 65' - Polyclinic  
24' x 65' - Warehouse/Office  
(11) Washroom Facilities  
Alaska ECUs™ for all Buildings

*Reference available upon request.*



# LARGE BUILDING PROJECTS



*High Wind Loads*





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