

Arctic Europe – Industrial and Logistics Operations from Kirkenes

Presented by The Municipality of Sør-Varanger - Kirkenes

Kirkenes



Invitation.

Kirkenes – a new professional business environment – invites Russian, International and Norwegian companies to Arctic Europe.

For pursuing:

- business opportunities in Arctic Russia and Norway.
- business related to large petroleum resources.
- business related to new logistics solutions.

A closed world ocean is opening up – through climate changes, open borders, international cooperation and new technologies
- uncovering and accessing new resources and new waterways.

Kirkenes





Sailing distances (in nautical miles)	Water depths (in meters)	Infrastructure	Petroleum resources	Sources of information	© Copyright 2010
MURMANSK - KIRKENES 130	0-100 M	— EXISTING RAILROAD	Oil field	Gazprom	 The information in this map do not pretend to be accurate www.sherpakonsult.com www.arctic-europe.com
MURMANSK - HAMMERFEST 298	100-200 M	- - - FUTURE RAILROAD	Gas field	Finnbarents	
ARKHANGELSK - KIRKENES 504	200-300 M	— EXISTING PIPELINES	Gas/condensate field	Arktikormetgazrazvedka	
TERIBERKA - SHTOKMAN 300	300-400 M	- - - FUTURE PIPELINES	Drilled structure	Norwegian Petroleum Directorate	
KIRKENES - SHTOKMAN 338	400 M and deeper	● SHIP TO SHIP TRANSFER	Identified structure	The Norwegian Coastal Administration	
MURMANSK - SHTOKMAN 354				The Research Council of Norway	
HAMMERFEST - SHTOKMAN 415				Norwegian Mapping Authority	
ARKHANGELSK - SHTOKMAN 570					

Climate and weather.

- Kirkenes has a stable, calm and dry continental climate with absence of extreme coastal weather conditions.
- The Kirkenes climate secures excellent regularity of all communications.
- The Kirkenes port and industrial sites are accessible and operative at all times.



Kirkenes

Kirkenes Port.

- Kirkenes is Norway's main entrance to and from Russia.
- Port depths are more than 25 meters. Quay depths at present 13,8 meters.
- Competitive full port services are available to foreign and domestic vessels.
- The Kirkenes port is an important service and base port for Russian commercial vessels.
- The port has unlimited expansion and development potentials and is continuously developed to meet new requirements.
- The Kirkenes port is appointed by the Norwegian Coastal Administration as the only Norwegian Border area port suitable for petroleum processing sites and offshore supply services.



Industrial site areas.

A study made by Rambøll describes the following large industrial site areas in the Port of Kirkenes:

**Prestøya Kirkenesbase/Nor Lines Kirkenes/
Kirkenesterminalen** -50 acres
(appr. 200.000 square meters)

Sydvaranger - 250 acres
(appr. 1.000.000 square meters)

Other possible sites - 3700 acres
(appr. 15.000.000 square meters)



Simple access for personnel and cargo.

- Easily accessible by air, road and sea.
- Normal Western easy and fast movements in and immediate use of personnel, technical supplies, plant and tools.
- Bonded stores.



Kirkenes

Kirkenes – a logistics centre in the North.

- By air – via Oslo, the fastest route to the North. Several daily 2 hours nonstop flights. Aircraft Boeing 737.
- By road – excellent and always open road connections with Russia, Finland, Sweden and the rest of Norway and Europe.
- By sea - daily calls by the Norwegian Coastal Express and frequent calls by cargo vessels serving the Norwegian and Northwest Russian coast.
- By rail – 40 km by road to the Russian continental railway network.
- Ship to Ship petroleum transfer operations
- Russian Consulate General

Visions:

- Railway – Rovaniemi (Finland) – Kirkenes.
- Railway – Nikel (Russia) – Kirkenes.
- Northern Sea Route Port.



Kirkenes – a logistics centre in the North.

A cluster of logistics services companies.

ASCO Arctic Base

Kirkenesbase

ShipCargo Kirkenes

Bring Offshore and
Energy Logistics

Kirkenesterminalen

Tschudi Arctic Transit

Henriksen Shipping Services

NorLines Kirkenes

Tschudi Northern Logistics

Kirkenes Agency

Perpetuum Waste
Management

Unex



Kirkenes

Kirkenes – an industrial centre in the North.

- Engineering, Fabrication and Construction Services
- Fleet and Rig Services
- Business Development Services - Norway and Russia.

Albert E. Olsen AS

Bergen Group Kimek as

Bergen Group Kimek Offshore as

Boreal Offshore AS

Comfort T. Seyffarth Efff.AS

GS Hydro Norge AS

Henriksen Shipping Services AS

Kirkenes Byggservice AS

Kirkenes Eiendom AS

Mudenia Elektro AS

Norconsult AS

Nordvent AS

Norwegian Welding Control AS

Rambøll Barents as

Selfors Installasjon AS

Sherpa Konsult as

AS Oscar Sundquist

Sweco Norge AS

Sydvaranger AS

Systembygg Kirkenes AS

W.Giertsen Services AS



Kirkenes

Kirkenes – an industrial centre in the North.

Bergen Group Kimek as/Bergen Group Kimek Offshore as/ Boreal Offshore AS/
Mudenia Elektro as. Main partners in the Kirkenes industrial cluster of companies
serving the marine, petroleum, and mining industries in the North.



Kirkenes

FJORD

Kirkenes – an industrial centre in the North.

Kirkenesbase

- Operative supply and support base for the offshore oil and gas industry.
- Operated by majority owner, Coast Center Base, of Bergen.
- Close to the Nor Lines terminal.
- Depth at existing quay front 13,8 meter, at future quay appr 30 meters.
- Several service and supply providers.
- 50 acres (200.000 sq.meters) of industrial area.
- Office and warehouse facilities with a covered area of appr. 3000 square meters.

In operation!



Kirkenes

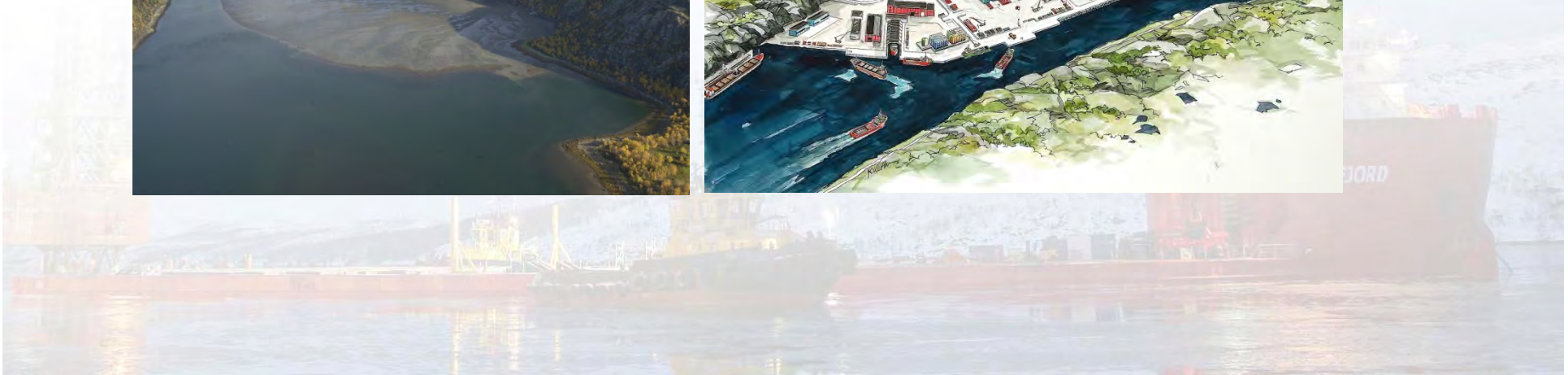
Kirkenes – an industrial centre in the North.

Sydvaranger and the Municipality of Sør-Varanger, Kirkenes

- Industrial site in the central harbour area.
- Storage and support base area for maritime activities.
- Supply base site for the offshore oil and gas industry.
- Large deep water quay available, extension being planned.
- Total area available, up to 1.000.000 square meters.
- Under development.



Kirkenes



Kirkenes – an industrial centre in the North.

About 400 Russian and International vessels call at the Kirkenes Port each year for:

- Repair, maintenance, outfitting or conversion purposes.
- Shore Base services.
- Crew changes.
- Procurement of fuel, water, provisions, waste handling etc.

The crew of Russian vessels are welcomed and served in their own language by the local ships agents, immigration authorities, health, welfare, church, sport, library services etc.

Shops, hotels and restaurants are manned with Russian and English speaking service personnel.



Kirkenes – an industrial centre in the North.

Fugro Shtokman Field Survey

Fugro International

- Main contract/State of the art technology, equipment and expert personnel.

AMIGE, Murmansk

- Vessel M/V "Bavenit"/crew/technology/ license to operate/license to include foreign partners.

Tschudi Arctic Transit, Kirkenes

- Shore base facility in Kirkenes/free integration of foreign equipment and personnel.



Kirkenes

Kirkenes – the Norwegian Centre of Excellence for Russian business relations.

Business in Kirkenes benefits from:

- Experience from 25 years of commercial work with Russia.
- Contact network with authorities and industries in Russia.
- Knowledge of the Russian market, business practices, policies, economy, language and culture.
- Presence in the Russian market. All relevant Kirkenes companies have representatives, offices or subsidiaries in Russia.
- Professional Business Development Guidance for Northern Norway and Northwest Russia.
- Kirkenes is the host town for The Norwegian Barents Secretariat, The Barents Institute, The Centre for High North Logistics and the Russian Consulate General.

Kirkenes



Kirkenes – the urban centre of the Municipality of Sør-Varanger

Kirkenes offers an urban infrastructure with a range of shopping facilities, public services as well as social, educational, cultural and recreational facilities.



Kirkenes



Kirkenes – the urban centre of the Municipality of Sør-Varanger

Public services include a regional hospital employing 320 healthcare workers, serving a population of 30.000 people. Air ambulance services are also available.



Kirkenes



Kirkenes – the urban centre of the Municipality of Sør-Varanger

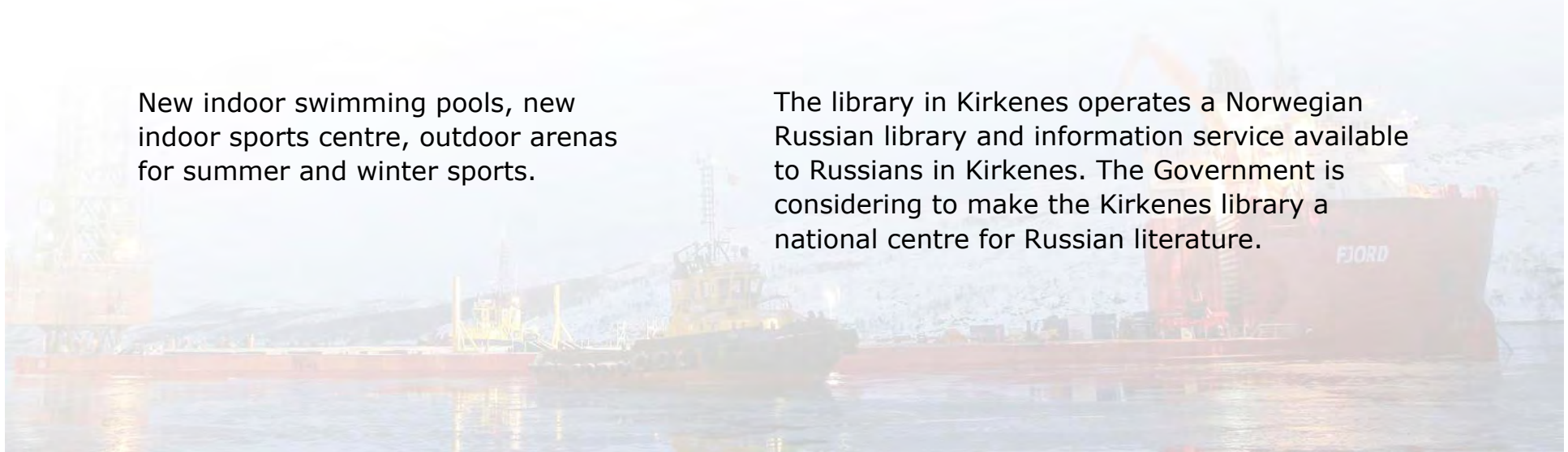
Sports and culture



Kirkenes

New indoor swimming pools, new indoor sports centre, outdoor arenas for summer and winter sports.

The library in Kirkenes operates a Norwegian Russian library and information service available to Russians in Kirkenes. The Government is considering to make the Kirkenes library a national centre for Russian literature.



Kirkenes – the urban centre of the Municipality of Sør-Varanger

“The Kirkenes Days”



Breakfast for everybody!

Kirkenes



Kirkenes – World culture

“The Barents Spectacle Festival - the art of crossing borders”

2009 Festival theme

“Borders – control or rock’n roll”

Visiting company:

La Compagnie Malabar,
Street theatre and circus arts
from the south of France

Organisers: “Pikene på broen”



Kirkenes



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Background photo: Henriksen Shipping Service AS / GoFoto Kirkenes
Jack-up drilling rig "Energy Exerter" undergoing service in Kirkenes
December 2008 – January 2009.

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WELCOME TO KIRKENES WITH YOUR ARCTIC EUROPE BUSINESS!

Kirkenes

