



**PNG LNG Kwatali  
Envairomen na Sosel Ripot**

**Namba Tri Kwata**

**2012**



**PNG LNG**

*Energy for the World. Opportunity for Papua New Guinea.  
Eneji Bilong Wol. Luksave Bilong Papua Niugini.*



# Kamapim helpim bilong bihaintaim long ol Papua Niugini komyuniti

“PNG LNG Projek i luksave olsem ol wok i kamap long ol eneji risos i no tingting tasol long divelopim oil na ges, em i karamapim tu ol pipel na save bilong ol, we sastenebel benefit bai ken kamap tu long ol lokal komyuniti. Dispela em i astingting bilong Nesanel Konten Plen bilong mipela.”



**Peter Graham, Manesing Dairekta, Esso Highlands Limited**

Dispela Papua Niugini Likwifait Neturel Ges (PNG LNG) Projek (Projek) Nesanel Konten Plen em komitmen, ol i kamapim bilong Papua Niugini stret, long helpim na divelopim ol pipel, sosel na ekonomik kapasiti we bai i ken helpim ol pipel, komyuniti na ol bisnis nau na long bihaintaim tu.

Dispela namba ileven PNG LNG Kwatali Envairomen na Sosal Ripot i soim olsem wanem Esso Highlands Limited i kamapim tru sosel, envairomen, helt na sefti plen, na long ol komitmen em i mekim long ol pipel bilong Papua Niugini insait long Nesanel Konten Plen. Olsem wanpela han bilong Exxon Mobil Corporation, Esso Highlands Limited i go pas long Projek long mekim wok bilong konstraksen na operesen na i divelopim Projek wantaim ol ko-vensera olsem: Oil Search Limited, National Petroleum Company of PNG (Kroton) Limited, Santos Limited, JX Nippon Oil and Gas Exploration Corporation, Mineral Resources Development Company Limited na Petromin PNG Holdings Limited, wantaim ol wanwok bilong ol.

## Wokfos divelopmen

Long pinis bilong namba tri kwata, klostu 19,600 pipel i kisim ol wok long Projek - namba i go antap long 2,000 moa woka taim yumi skelim wantaim mak bilong namba tu kwata 2012. Ol Papua Niugini i kamapim 46 pesen total wokmanmeri bilong Projek, we 70 pesen bilong ol dispela woka i kam long ol Lendona Kampani (Lancos).

**~19,600 pipel i kamapim  
namba bilong Projek wokmanmeri**

I kam inap nau, moa long 10,000 Papua Niugini pipel i kisim trening long ol wok bilong konstraksen na operesen insait long 6,000 kos we i winim moa long 1.4 milien aua long trening. Dispela i karamapim trening i kamap long ol kain fasiliti olsem Juni Konstraksen Trening Fasiliti, we namba tri lain husat i kisim trening i greduet nau wantaim Australian Quality Training Framework stended Setifiket Level II long Jeneral Konstraksen na Sivil Konstraksen.

Bungim olgeta wantaim, namba bilong ol lain i greduet long Juni Konstraksen Trening Fasiliti i sanap long mak bilong 54, we 12-pela bilong ol em ol meri.

Greduet program bilong Projek i wok long ran gut, wantaim namba wan lain sikispela ensinering greduet bilong 2011 program i kam bek long Pot Mosbi long Septemba na nau ol i wok long Operesens Teknikel tim. Narapela tenpela greduet ensinia em Esso Highlands Limited i kisim long stat bilong dispela yia i wok long gohet nau long program, we tripela i stap long Pot Mosbi, wanpela long Singapore na sikispela i stap long Melbourne, Australia. Tupela greduet drilling ensinia i pinisim trening long Australia na kam bek wok wantaim Driling tim bilong Projek.

Dispela trening bilong ol Papua Niugini sitisen i mekim ol i redi long wok insait long Projek na wankain taim tu em i givim ol skil na save na kwalifikesen long wok insait long kantri na long ol ovasis kantri tu.



**Sikispela Papua Niugini greduet ensinia bilong namba tu grup long Long Island Point**

## Groim ol Papua Niugini bisnis

Long taim moa konstraksen wok i kamap nau long Komo Ples Balus, Hides Ges Kondisening Plent (HGCP) na LNG plent sait, Projek i strong long ol Lancos i saplaim ol sevis olsem lukautim kemp, katering, sekiuriti, haia long ol masin na kisim ol wokmanmeri.

Long pinis bilong dispela kwata, moa long 5.7 bilien Kina (US\$2.7 bilien) em ol i spendim long ol wok bilong Projek wantaim ol bisnis long Papua Niugini. Long dispela mani, ol i spendim 1.29 bilien Kina (US\$620 milien) long ol Lanco.

Ol arapela bikpela wok em, ol i putim namba wan kolta long Komo Ples Balus ranwe, henova bilong triethylene glycol yunit long Kutubu Sentral Prosesing Fasiliti i go long operesens grup na olgeta wok bilong stretim graun long HGCP i pinis.

## 5.7+ bilien Kina em ol i spendim long Papua Niugini i kam inap nau

Enterprise Centre i wok long sapatim yet developmen bilong ol Lanco na ol narapela Papua Niugini bisnis. Em i pinisim wok bilong skelim o mekim asesmen long 30 bisnis long dispela kwata, na dispela i bringim namba i go antap long 228 bisnis. Centre i mekim wok bilong skelim gen o re-ases eitpela bilong ol namba wan 12-pela lain i makim ol Lanco long lukim sapos ol i wok gut o nogat bihain long 2011 asesmen. Wanpela bikpela samting i kamap long Enterprise Centre em namba tu asesmen megasin bilong ol, we i gat stori bilong ol kampani em asesmen bilong ol i bin kamap long 2011.

Narapela bikpela trening developmen em ol i statim dispela International Standards Organization (ISO) trening. Em i namba wan taim long kamap long Papua Niugini, na Enterprise Centre i go pas long kamapim tripela de trening kos wantaim International Standards Certifications Proprietary Limited of Australia. Tupela trening sesen i karamapim ol modul olsem Kwaliti Manesmen Sistems na Okupesanel Helt wantaim Sefti Manesmen Sistems i bin kamap.

## Konstraksen

Planti bikpela mak long konstraksen i bin kamap long dispela kwata, ol kain wok olsem stat bilong drilling long namba wan bilong eitpela drilling wel long Hides Ridge.

## Namba wan wel spud long Julai 26 long Welped B



Olgeta 120 paip rek modul i sanap nau long LNG jeti

Ki konstraksen i stap long Tebol 1.

Tebol 1 – Ol kontrak na bikpela wok konstraksen

Kontrak	Kontrakta	Ol Bikpela Wok Long Namba Tri Kwata 2012
Apstrim Infrastraksa (C1)	Clough and Curtain Brothers Joint Venture	Pinisim olgeta wok bilong stretim graun long HGCP na henova bilong olgeta wok eria i go long Hides Ges Kondisening Plant na Hides Welpeds kontrakta. Pinisim wok bilong stretim graun long Welped D na Welped C sela.
Opso Paiplain (EPC2)	Saipem	Putim ol ikwipmen bilong inspektim paiplain. Pinisim wok long haidrotesting na draing bilong olgeta paiplain.
LNG Plant na Marin Fasilitis (EPC3)	Chiyoda and JGC Joint Venture	Putim olgeta 120 paip rek moduls long LNG jeti. Pinisim namba 12 na las insait sel tenk ring long not hap bilong LNG tenk. Pinisim olgeta hevi lift.
Hides Ges Kondisening Plant na Hides Welpeds (EPC4)	CBI and Clough Joint Venture	Pinisim wok bilong palling long proses eria. Putim ol simen faundesen bilong mein pawa jenereta na kompresa.
Onso Paiplain (EPC5A)	SpieCapag	Moa long 60 pesen mein paiplain welding i pinis. Haidrotesting i kamap pinis long 145 kilomita bilong paiplain. Pinisim wok bilong stretim graun long Kutubu Sentral Prosesing Fasiliti ges metering stesin.
Komo Ples Balus (EPC5B)	McConnell Dowell and Consolidated Contractor Group Joint Venture	Putim namba wan kolta long ranwe. Putim olgeta tenk bilong fuel na stretim ol tawa bilong karim lait. Nupela Tamalia Riva Bris i op nau long ol ka i yusim.
Asosietet Ges Developmen	Kain kain	Pinisim wok bilong stat-ap, testim na henova bilong triethylene glycol yunit na asosietet ges kula long Kutubu Sentral Prosesing Fasiliti operesens grup.
Drilling	Nabors Drilling International Limited	Stat bilong drilling long namba wan prodaksen wel long Hides Welped B. Stat long sanapim namba tu rig long Welped C.

## Sefti, helt na sekiuriti

Projek i sori tru long toksave long tupela birua i kamap long dispela kwata we ol woka i dai. Mipela i salim bikpela tok sori i go long famili, ol pren na ol wanwok bilong ol dispela woka.

Projek i bin toksave hariap long ol atoriti na i mekim wok painimaut long dispela tupela birua. Bihain long dispela wok painimaut, ol i kamapim ol rot bilong abrusim wankain birua i kamap gen na toksave i go long olgeta arapela wok ples.

Projek i sanap strong yet long promotim pasin bilong wok we i no gat wanpela bai kisim bagarap (*Nobody Gets Hurt*), long olgeta wok ples bilong en. Wanpela eksampel em dispela program bilong LNG Plent ol i kolim Incident and Injury-Free® (IIF®) program, we i traim long strongim lidasip kapesiti bilong ol supavaisa na kirapim tingting bilong ol woka long luksave olsem sefti bilong ol yet na ol arapela wanwok, em i bikpela samting olgeta de long taim ol i wok. Moa long 10,500 wokmanmeri i kisim save long dispela IIF program i kam inap nau.

Narapela eksampel em dispela Sefti Sempian inisitiv we namba 500 woka i bin greduet long dispela kwata. Ol i statim dispela pogram bilong ol Papua Niugini woka na bikos em i wok gut, ol kontrakta i gat bikpela laik long en olsem na ol woka bilong ol narapela kantri tu i stap insait long en. Long helpim ol dispela woka, ol i tanim tok long trening manuel i go long ol arapela tokples olsem Tagalog, Tamil, Korean na Thai.

Graun Transpot na Eviesen tim bilong Projek i wok long soim yet komitmen bilong ol long sefti i kam inap nau. Ol i winim moa long 12,000 eviesen aua na long rot ol i karamapim 10 milien kilomita na karim moa long 100,000 pasindia na 2,000 ton kago na i no gat wanpela birua i kamap long dispela taim.

Komyuniti sefti em i wanpela praioriti bilong Projek. Konstraksen wok bilong paipain i kamap nau long Moro na Kutubu eria, olsem na ol Sekiuriti na Sosioekonomik tim bilong Projek i wok bung wantaim ol lokal komyuniti long lukim olsem i mas gat gutpela na sef wok ples bilong ol woka na komyuniti. Wanpela eksampel bilong planti komyuniti sefti ektiviti em ol edukesen semina i kamap wantaim ol lokal haikul studen long LNG plent sait. Ol i lukluk long wanem samting i kamap long sait long wanpela de, na ol dispela semina i strongim tok long wanem ol rul bilong Projek na komyuniti long sefti bilong trafik, sefti bilong wan wan manmeri na sefti bilong ol woka.

Insait long dispela kwata, Projek i gohet wantaim sapot long ol medikal risets projek we inap long givim bikpela helpim long ol komyuniti long Papua Niugini long planti yia bihain. Eksampel, Projek i wok long sapotim tubekulosis risets long Kikori Hospital long Galp Provins wantaim Papua New Guinea Institute of Medical Research (IMR). Ol samting ol i painimaut long dispela risets bai givim bikpela helpim long pablik helt long Galp Provins na wok bilong stapim na kontrolim sik tubekulosis long Papua Niugini.



**Ol Redscar Haikul studen i kisim gutpela skul long sefti long LNG plent sait**

Projek i givim mani tu long wok bilong IMR long painimaut moa long ol Seksueli Transmitted Infeksens (STIs). Dispela stadi em i bikpela samting bikos bai namba wan taim tru long Papua Niugini ol i save long namba bilong ol meri husat i gat sik em human papilloma virus i save kamapim. Ol samting dispela stadi i painimaut bai inap long stapim na tritim sevikel kensa, wanpela bikpela sik kensa i save kilim planti meri long Papua Niugini.

Projek i kisim toksave long sampela hevi i kamap long ol eria long Apstrim Not na arere long Hailans Haiwe long dispela kwata long taim bilong 2012 Nesenel Ileksen long Papua Niugini. Tasol ol dispela hevi i no pas long operesen bilong Projek na i no bagarapim ol wok o wokmanmeri bilong Projek.

## Sosel developmen

Komitmen bilong Projek long givim trening na sapot long ol Papua Niugini meri i gohet yet long dispela kwata we namba tu taim em i givim gen \$US300,000 i go long Wol Benk Wimens Self Rilaiens Program.

Projek i sponsa gen long narapela faivpela meri long go long Global Wimen in Manesmen program long Jakarta, Indonesia. I kam inap nau, Projek i bin sponsa long 17 Papua Niugini meri long stap insait long dispela program.

Na tu, long mun Julai wanpela wimens grup bilong Lea Lea i opim wanpela pemanen komyuniti maket wantaim sapot bilong Projek.

Long dispela taim tu, tupela meri i stap namel long tripela baiomedikal teknisen bilong Pot Mosbi Jeneral Hospital na tupela opisal bilong Nesenel Dipatmen bilong Helt husat i kisim helpim long go trening long Dallas, Texas long Baiomedikal Ikwipmen Ripe Trening program.



Wanpela bikpela samting i kamap long LNG plent sait komyuniti long dispela kwata em taim ol i opim liklik rural Bank South Pacific brens long LNG plent sait na statim wok long sanapim pos opis na stua. Ol dispela sevis bai helpim ol lokal komyuniti na ol woka long LNG plent sait husat i save hatwok long go long Pot Mosbi long painim benk na pos opis.

### Wok bilong envairomen

Wanpela bikpela samting i kamap long dispela kwata em Projek i givim Baiodaivesiti Ofset Deliveri Plen bilong en i go long Lender Group Environmental and Social Consultant (IESC) na Lender Group long wokim riviu.

Projek i rekodim tu liklik spil reit tasol bihain long bikpela wok i kirap long begin bilong 2010. Hap wok bilong was na stapim ol marasin samting i kapsait, ol i mekim spil kit odit long Apstrim Infrastraksa, LNG Plent na Driling woksait, na tu, ol autsait saveman i bin kam givim trening long ol wokmanmeri long Driling na HGCP.

Weist wara manesmen i wok long kamap gut we HGCP mein kemp weist wara tritmen plent i op na bai i helpim long kamapim gut weist wara tritmen.

Long dispela taim tu, pasin bilong brukim, memeim na rausim ol graun na ston em Onso Paipain kontrakta i mekim long weist manesmen fasiliti bilong en long Kopi Shore Base, Gobe Camp 3, Tamadigi Camp 4 na Moro Camp 5, i daunim mak bilong weist long 70 pesen.

Wok bilong stretim gen ples i gohet long olgeta Projek wok ples. Ol i planim bek ol samting olsem diwai na gras na Japanese Millet na Carpet Grass sid long HGCP sait, na wankain samting tu i kamap long LNG plent sait eria na bihainim onso paipain Rait ov We. Kontrakta bilong Komo Ples Balus i planim bek gras na ol diwai long 4.6 hekta, na i bungim planti moa samting bilong planim long Komo Mein Kemp na Timala neseri long stretim gen ol ples we bagarap i kamap long en.



Ofisal opening bilong Lea Lea komyuniti maket

Ol dispela buk bilong Toea seris i wok long kamapim gutpela toksave long kalsa, helt na sefti toktok i go long ol skul pikinini. Long dispela kwata, ol i putimaut namba sikis Toea buk ol i kolim *Toea's Milne Bay Adventure* wantaim lons bilong *Toea Money Management Game Board*. Dispela pilai i wankain olsem MONOPOLY bod gem tasol i yusim Kina olsem mani bilong pilai na i skulim ol pikinini long pasin bilong lukautim mani long wanem ol samting i kamap insait long ol haus long Papua Niugini tude. Inap nau, Projek i givimaut moa long 19,500 buk na ol ektiviti pek long moa long 80 skul long ol Projek eria.



Namba sikis buk long Toea seris



Planti handet diwai na ol samting bilong bus ol i groim long Komo neseri

## Wokbung wantaim ol stekholda na komyuniti

Bihain long 2012 Papua Niugini Nesanel Ileksen, program bilong wokbung wantaim ol komyuniti i kamap wankain olsem bipo na i karamapim tu hap we Projek i stap insait long ol advokasi woksop wantaim ol nupela ki Gavman ministra, ol dipatmen na ejensi.

Wok bilong drilling i stat long dispela kwata, Projek i kirapim planti kibung wantaim ol stekholda olsem ol komyuniti lida, skul, wimens grup, sios, helt na Gavman. Ol dispela kibung i bilong givimaut toksave long wanem samting bai kamap long taim bilong drilling operesen, ol kain samting olsem nois na lait long ol rig; na ol samtin olsem spat bai i kamap long taim ol testim paip long dril. Ol kibung i kamap pastaim long drilling operesen i stat na i givim sans long ol komyuniti memba i askim kwesten na kisim toksave long wanem ol samting i kamap long taim drilling i stat.

Long dispela kwata, Papua Niugini National Road Safety Council i pinisim namba wan hap bilong Rot Sefti Awenes kempein em Projek i sponsa long en, long ol komyuniti namel long Goroka na Mt Hagen. Wantaim kempein bilong National Road Safety Council, Projek bai mekim moa wok long awenes bilong pedestrian na rot sefti program. Bai ol i go long ol skul na toktok long sefti long rot na bung wantaim ol komyuniti na toksave long pedestrian rot sefti na toktok wantaim ol lain i stap arere long ol rot.

**Moa long 29,400 pipel long ol engesmen ektiviti i kam inap nau**

Namba bilong ol komplek i surik i go antap liklik long dispela kwata, we ol i rekodim 108 na long las kwata i bin gat 100. Tim bilong Projek i wok long kisim moa trening long pasin bilong rekodim na stretim hariap ol komplek. Bikos namba bilong ol komplek i surik go antap, i gat 15 keis i op yet long pinis bilong kwata.

Long dispela taim tu, Projek i wok long givim wara tenk na kanis long ol komyuniti olsem luksave bilong em long helpim ol komyuniti. Long dispela kwata, faivpela nupela wara tenk na kanis tu i kamap. Dispela i bringim namba bilong ol wara tenk na kanis ol i wokim long ol komyuniti long Hides na Komo eria i go antap long 66.

Na tu, Laivilhud Restoresen Program bilong Projek i givimaut 3,500 rop kaukau i go long 22 haus; 58 kilogram kon sid long 199 haus; 180 kilogram pinat sid i go long 102 haus; na 1 kilogram vestebel sid bilong ol kaikai bilong kol ples i go long 47 haus. Ol i givim kros brid kakaruk na brida pato i go long 80 haus. Ol i givim tu trenim long ol pipel long groim gut ol kaikai na pasin bilong lukautim gut ol kakaruk, pato na pik.

Long taim Projek i kamapim ol wok, bai em i wokbung wantaim Gavman na ol lokal komyuniti long lukim olsem sans bilong kamapim wankain astingting bai i gohet na em i sastenebel na bai kamap olsem hanmak bilong Projek.







**PNG LNG**

**[www.pnglng.com](http://www.pnglng.com)**

Port Moresby - Project Headquarters  
Esso Highlands Limited  
Lawes Road, Munidubu Street  
GPO Box 118  
Konedobu, Port Moresby  
Papua New Guinea

Email: [pnglngproject@exxonmobil.com](mailto:pnglngproject@exxonmobil.com)

# ExxonMobil

PNG LNG i wok olsem wanpela han kampani bilong ExxonMobil insait long ko-vensa wantaim:



**Santos**  
We have the energy.



