

KEY NOTE ADDRESS
ALTA 2011 NICKEL-COBALT-COPPER DINNER

PAL – THE GREAT SURVIVOR

Alan Taylor
ALTA Metallurgical Services

alantaylor@altamet.com.au



The world of movies has seen many great survivors, but none greater than....

JAMES BOND



I'm going to show that

**PAL is the
“James Bond” of the metallurgical world**

Everyone seems to trying to kill it off but it is

STILL ALIVE!!!!

PAL autoclaves even **look like** something from
a James Bond movie



In fact, PAL is a **GREATER** survivor as

Bond only lived twice

"YOU ONLY LIVE TWICE" - 1967



But PAL is on to its

THIRD LIFE

It was born in the 1950s
at Moa Bay Cuba



It was pronounced

DEAD

in the 1990's
in Western Australia



It had a
SECOND LIFE
in 2005
at Coral Bay, Philippines



It was pronounced

DEAD AGAIN

In 2009
at Ravensthorpe, WA



Now it is on its

THIRD LIFE

- Coral Bay expanded
- 3 Plants in commissioning:
 - Goro, New Caledonia
 - Ambotovy, Madagascar
 - Ramu, PNG
- Murrin Murrin still going in WA.



Bond overcame
“Dr NO” IN 1962



Likewise, in 2011 PAL has overcome

THE “EXPERTS” WHO KNOW”

At least for now!

But there are still those who have.....

“A VIEW TO A KILL” - 1985



**They say there would be more chance of
making a profit at.....**

“CASINO ROYALE” - 2006



But for True Believers there is a.....

“QUANTUM OF SOLACE” - 2008



They are encouraged by.....

“THE LIVING DAYLIGHTS” - 1987



- Moa Bay is still alive after 50 years
- Murrin Murrin has survived.
- Coral Bay has been successfully expanded

They tend to think that they can learn from the mistakes of others and....

“LIVE AND LET DIE” - 1973



They point to facts in PAL's favour

The industry has to find a way to treat LG laterites.

A lot of experience has been gained in design, construction & operation.

Heap leaching & atmospheric agitated leaching have so far only been applied as satellite operations.

.





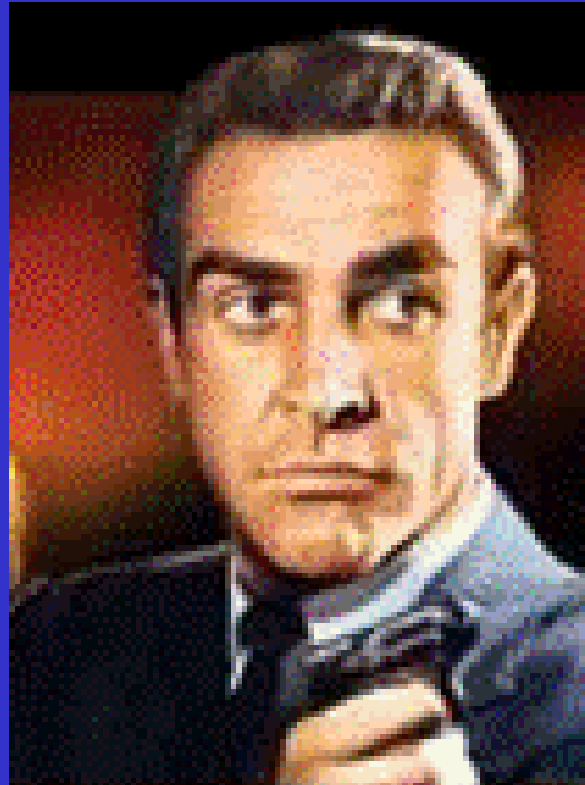
Perhaps we need someone with a.....

“GOLDEN EYE”-1995



Or a.....

“GOLDFINGER” - 1964



to come up with a winning alternative:

Could it be

- Nitric acid leaching?
- Hydrochloric acid leaching?

Both are being developed

A lot will depend on how Goro, Ambotovy & Ramu and the reactivated Ravensthorpe perform.

We wish them well!!!



All of this proves that PAL, like 007, is still

THE GREAT SURVIVOR

and

**We should congratulate all the
individuals and organizations who
have persevered and contributed
to PAL over the years**