

DOUBLING YOUR DRAGLINE ROPE LIFE!

Zemek's Innovative Design:

- *Aligned centre of rope* and socket swivel.
- *Reshaped grip* between socket and wedge to support rope without denting it.



Smarter Thinking

Leaders in engineering solutions

www.zemekengineering.com

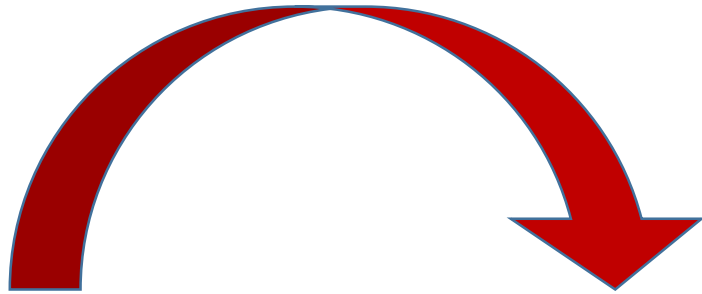
11 Presto Ave, Mackay QLD 4740

07 4955 5133

DOUBLING YOUR DRAGLINE ROPE LIFE!

Zemek Objective: to enable customers to potentially double the dragline rope life!

Under normal conditions:



*40 days to replacement
3 x 10-day midlife resockets*

→ TO →



*80 days to replacement
3 x 20day midlife resockets*



Smarter Thinking

Leaders in engineering solutions

www.zemekengineering.com

11 Presto Ave, Mackay QLD 4740

07 4955 5133

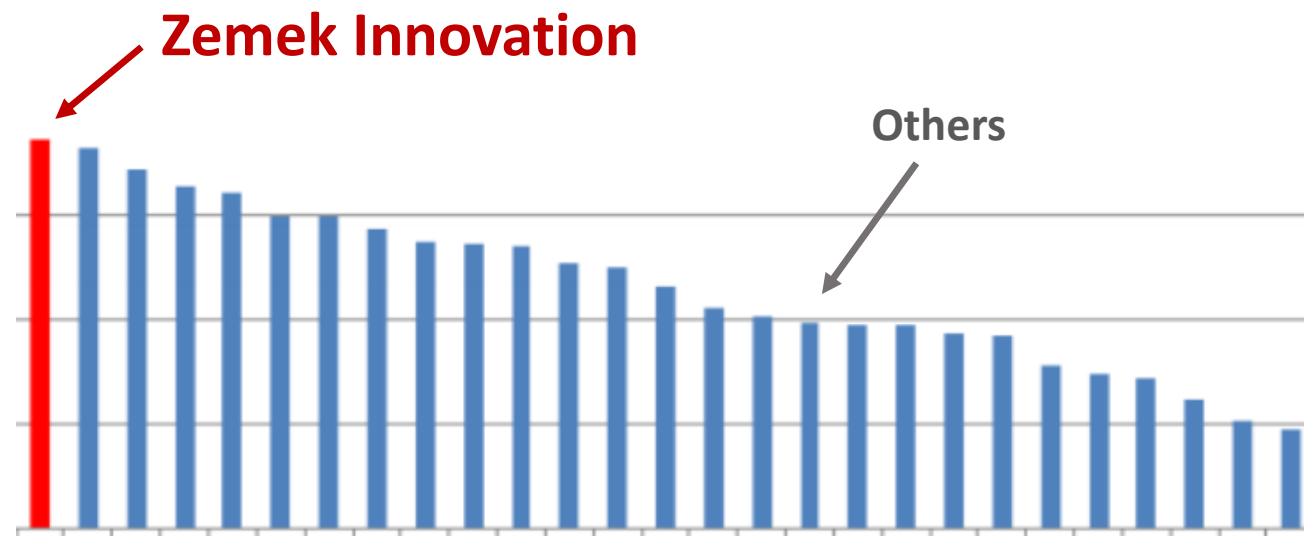
DOUBLING YOUR DRAGLINE ROPE LIFE!

Zemek currently conducting 2 trials:

- 1 x normal conditions
- 1 x harsh conditions

Preliminary results are

supporting assumptions of SIGNIFICANT increase in rope life!



Smarter Thinking

Leaders in engineering solutions

www.zemekengineering.com

11 Presto Ave, Mackay QLD 4740

07 4955 5133

DOUBLING YOUR DRAGLINE ROPE LIFE!

Zemek Improvement: even assuming **ONLY a 50% increase** in rope life offer significant benefits. Under **normal conditions:**



Per Dragline Per Annum:

Rope Replacements



From 9 to 6 pa

Annual Rope Cost



\$35k per set

Dragline Uptime



16 hours per rope
replacement

Resource Allocation



3 FTEs per resocket

UNDER HARSH CONDITIONS POTENTIALLY 4 – 5 TIMES THE SAVING PER DRAGLINE !