



# 2011 Health & Safety Conference

## Qld Mining Industry



**Presenter: Aaron Ginzburg**  
**Sustainable Development Manager**



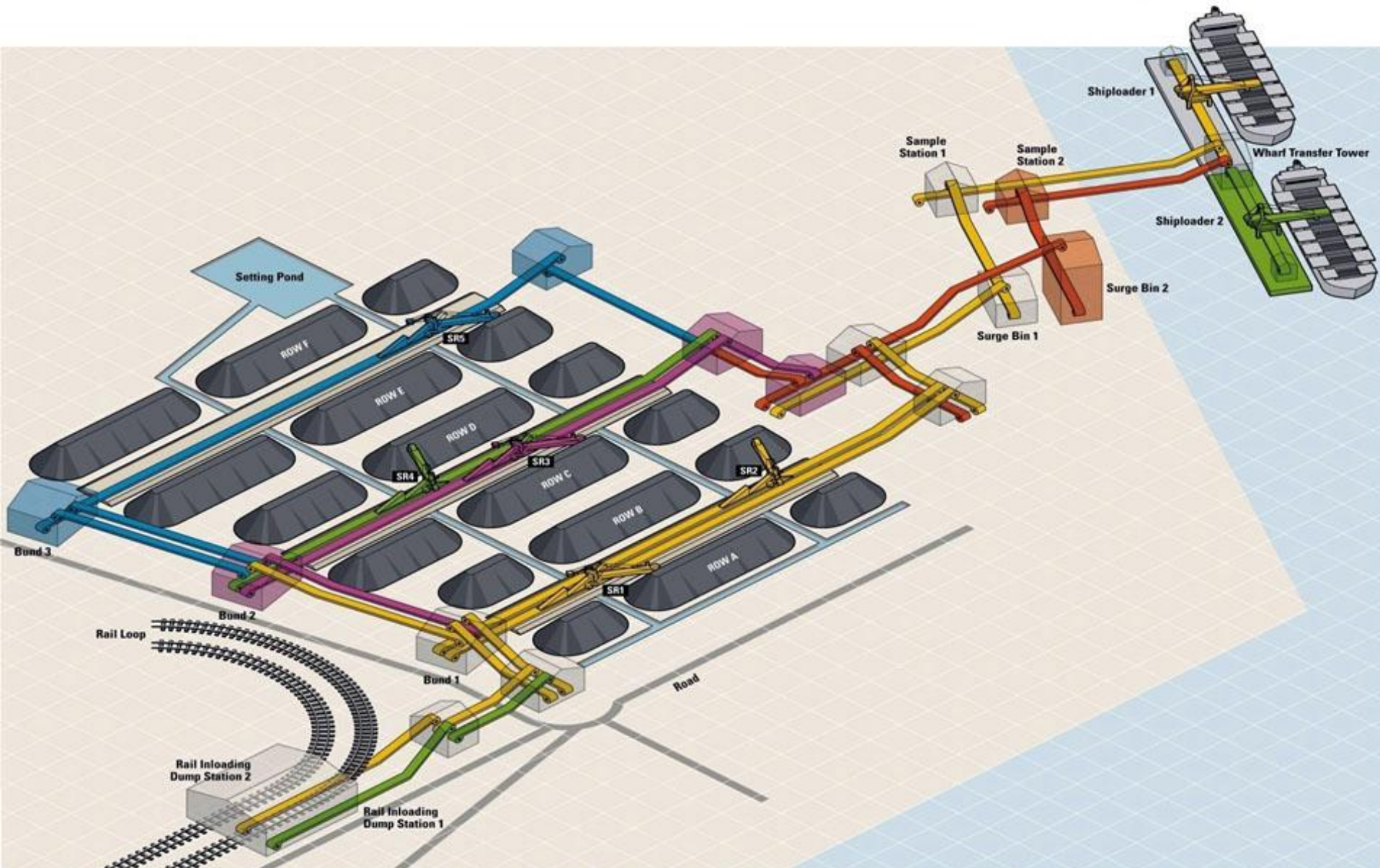




# **ABBOT POINT BULKCOAL**



# Site Layout



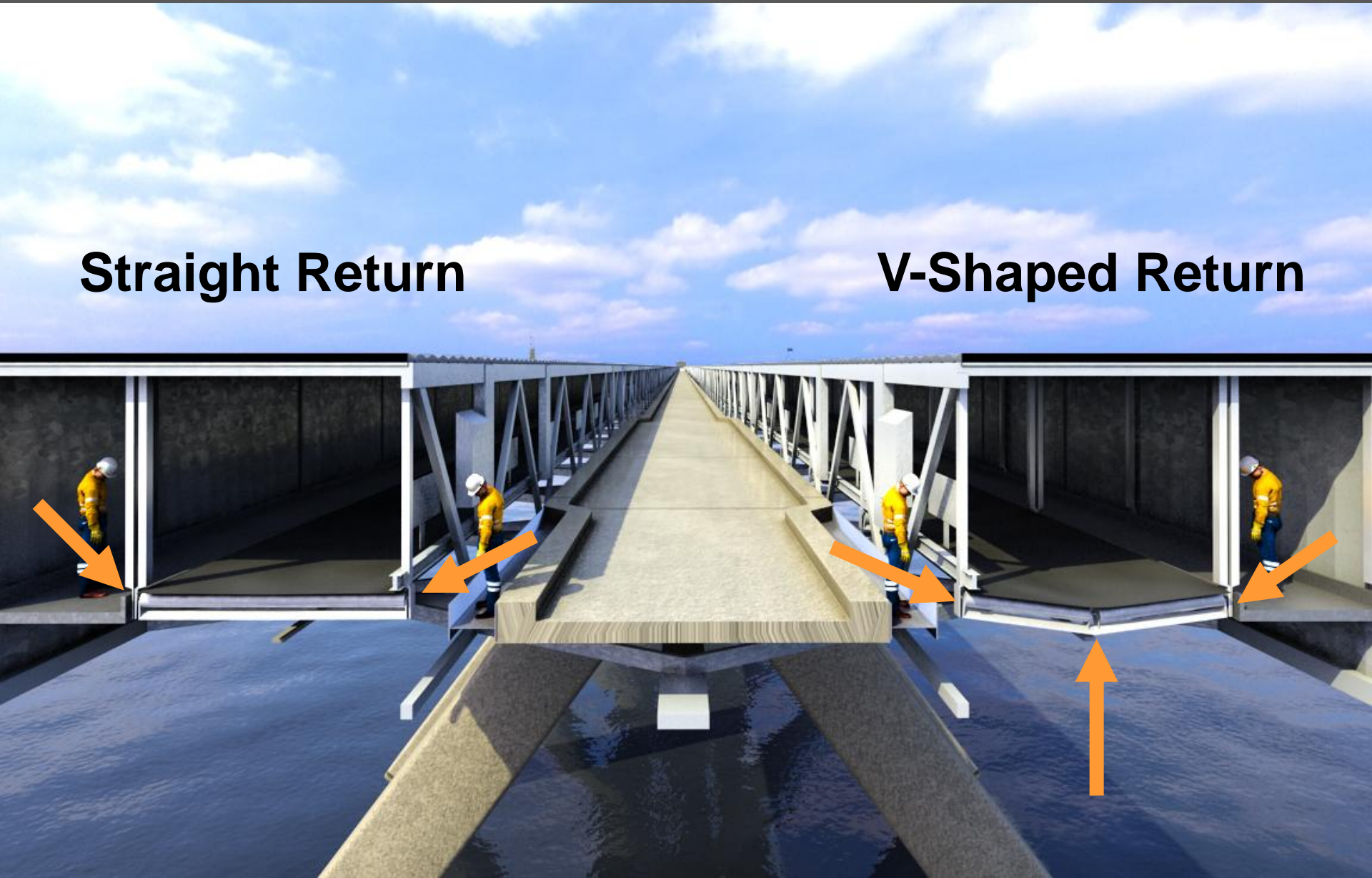


# The Problem

# Idler Access Points

**Straight Return**

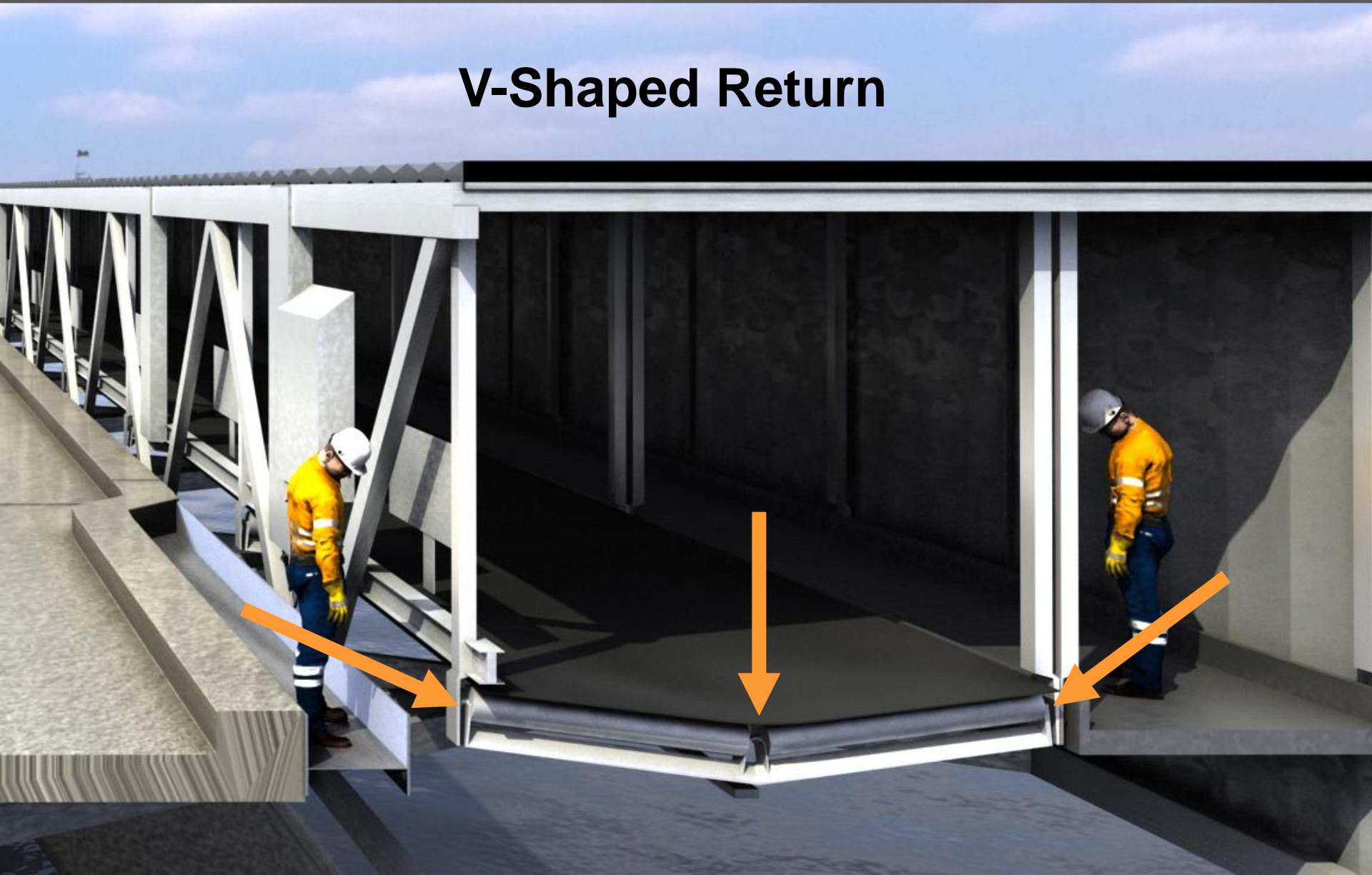
**V-Shaped Return**





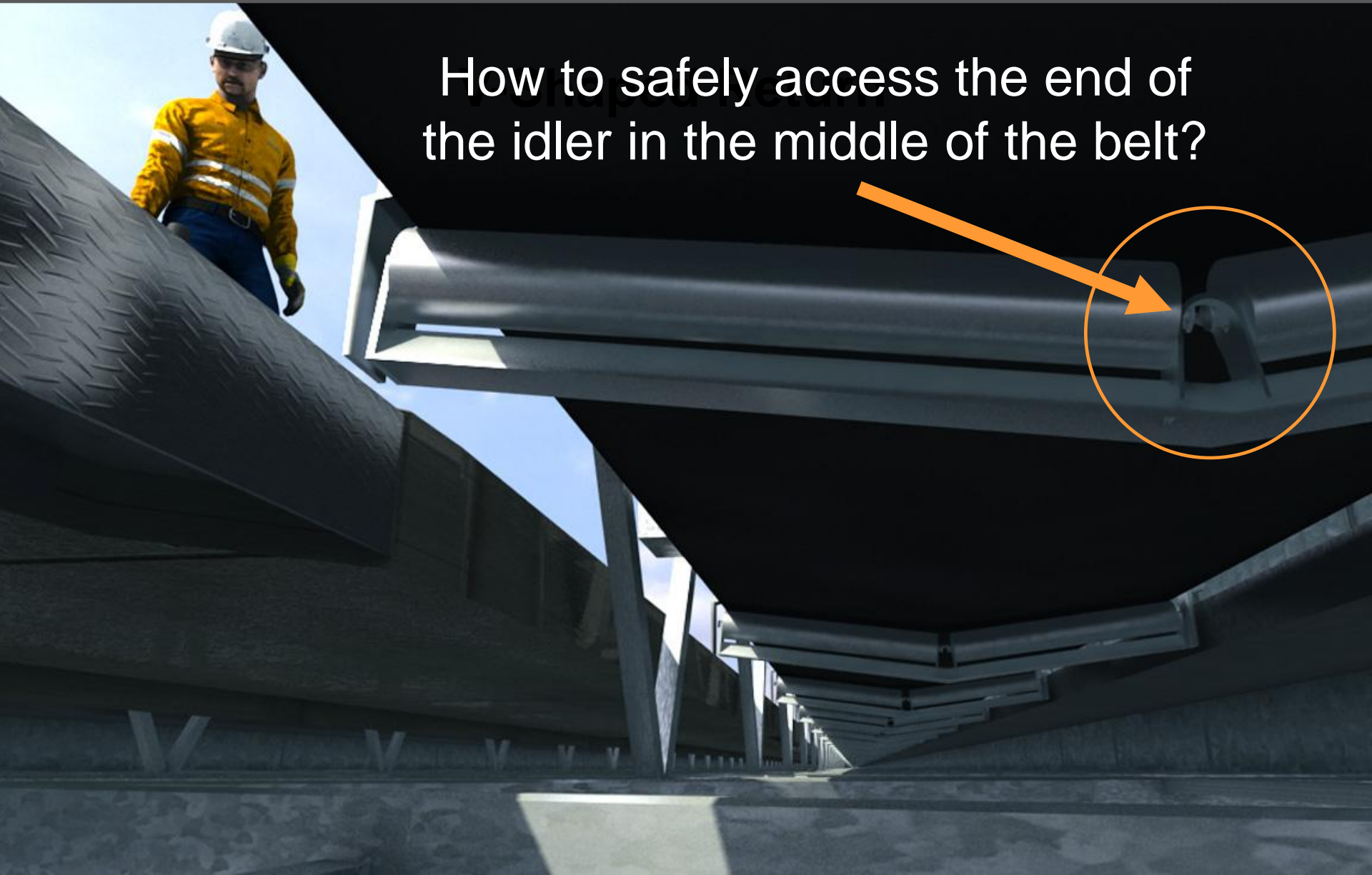
# Idler Access Points

## V-Shaped Return



# Idler Access Points

How to safely access the end of the idler in the middle of the belt?







# The Conventional Method





# The Conventional Method



# The Initiative

- Prototype Testing
- Technical Drawings Certified
- Work Method
- Training DVD



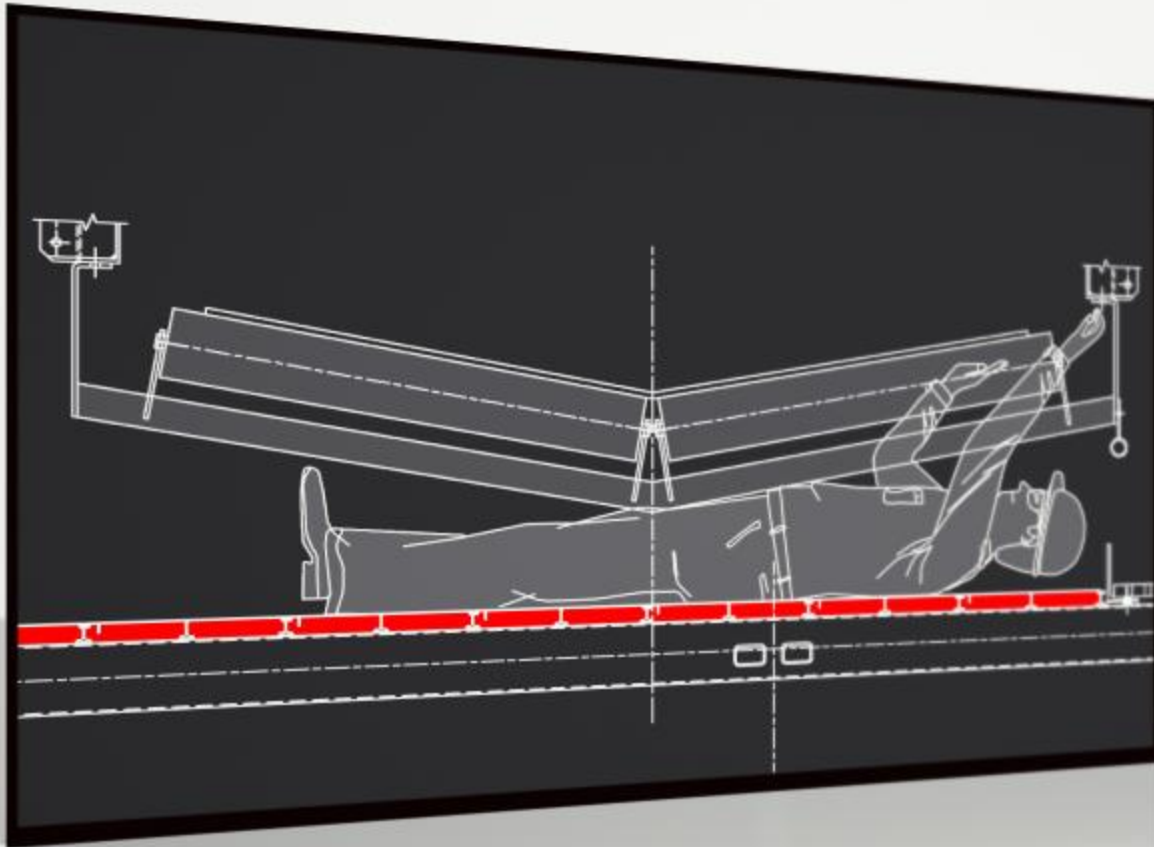








# The Benefits



**ELIMINATES NEED  
FOR ERECTING  
ADDITIONAL SCAFFOLD  
OR ACCESS PLATFORM**







**Eliminates need  
to Work at Height  
and Over Water  
(Fatal Hazards)**



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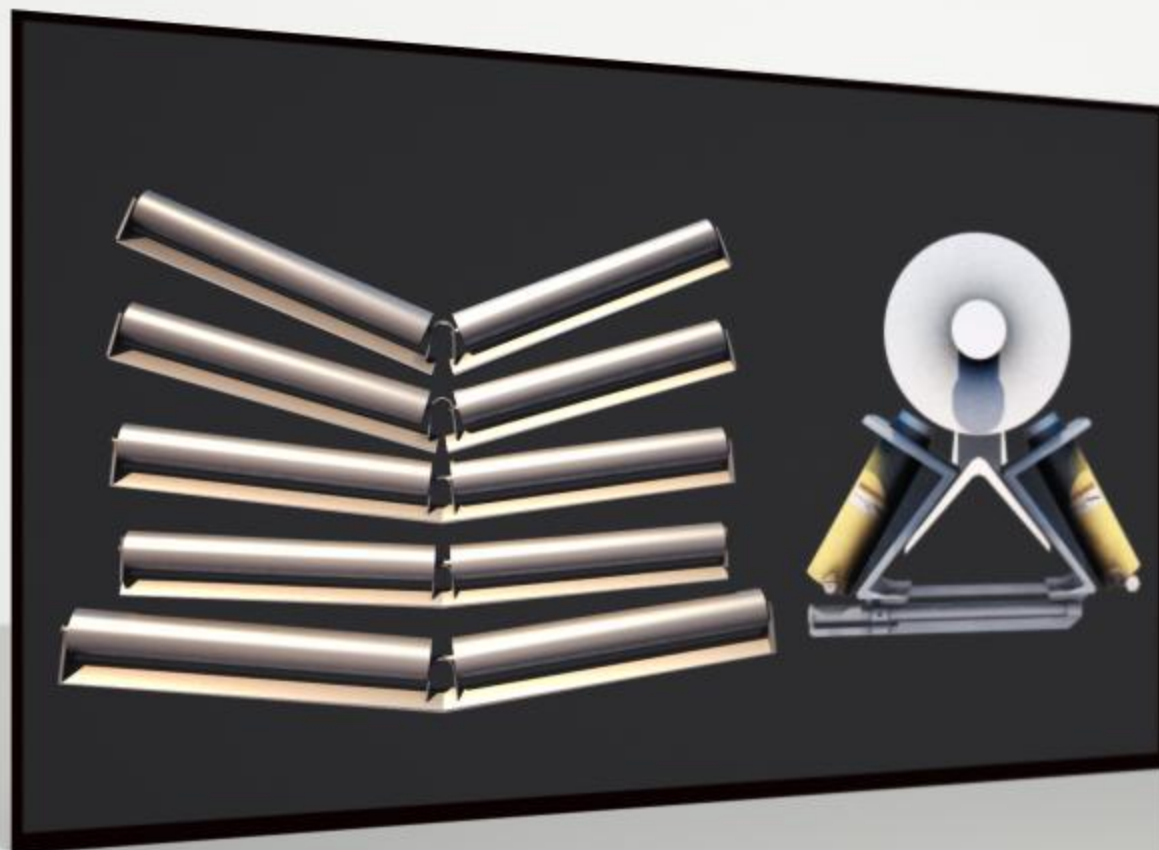


# Risk Reduction from

**'Significant / Likely'** to **'Minor / Unlikely'**

LIKELIHOOD	Negligible (1)	Minor (2)	Significant (3)	Serious (4)	Disastrous (5)
Almost Certain	11	16	20	23	25
Likely	7	12	17	21	24
Possible	4	8	13	18	22
Unlikely	2	5	9	14	19
Rare	1	3	6	10	15





**ADAPTABLE  
DESIGN CONCEPT**



## Inexpensive to Construct and Maintain

Cost Summary	
Stainless steel frame (to connect idler support arm)	\$1,200
Hydraulic Enerpac Cylinders (<1000psi hydraulic pressure)	\$1,000
Pump	\$500
Steel Bar for remote retrieval replacement	\$500
Standard Canvas Tool Bag	\$200
Labour cost	\$2,520
<b>Total</b>	<b>\$5,920</b>



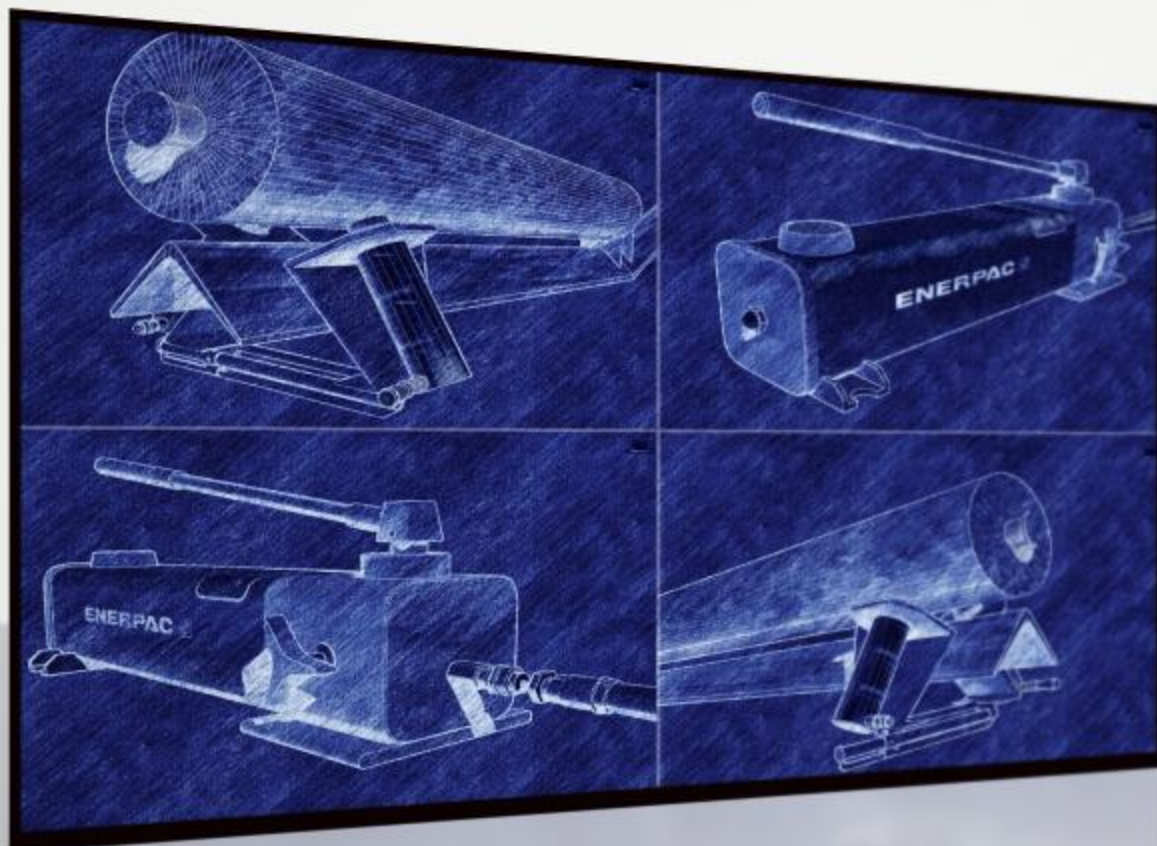
DECREASES IDLER  
REPLACEMENT  
TIME FROM  
**120MIN**  
TO **45MIN**





**INCREASED**  
**REVENUE RANGES**  
**\$2.7M TO \$3.6M**  
**PER MONTH**

Transferability



**XSTRATA**  
DESIGN PATENT  
ESTABLISHED



**PROMOTE  
THROUGH CETOA  
(COAL EXPORTING  
TERMINAL OPERATORS'  
ASSOCIATION)**



**GLOBAL  
POTENTIAL**





**GLOBAL  
POTENTIAL**



**QUESTION  
TIME**