

# **KASBAH RESOURCES LIMITED**



## **The Achmmach Tin Project**

**Africa Down Under Presentation - Sept 2009**

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Forward-looking statements include, among other things, statements regarding targets, estimates and assumptions in respect of nickel or other metal production and prices, operating costs and results, capital expenditures, mineral reserves and mineral resources and anticipated grades and recovery rates. Forward-looking statements are necessarily based upon a number of estimates and assumptions related to future business, economic, market, political, social and other conditions that, while considered reasonable by the Company, are inherently subject to significant uncertainties and contingencies.

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For further information, please see the Company's most recent annual financial statement, a copy of which can be obtained from the Company on request or at the Company's website: [www.kasbahresources.com](http://www.kasbahresources.com).

The Company disclaims any intent or obligation to update any forward-looking statements, whether as a result of new information, future events or results or otherwise. All forward-looking statements made in this presentation are qualified by the foregoing cautionary statements. Investors are cautioned that forward-looking statements are not guarantees of future performance and, accordingly, not to put undue reliance on such statements.

# KASBAH RESOURCES – Investment Case

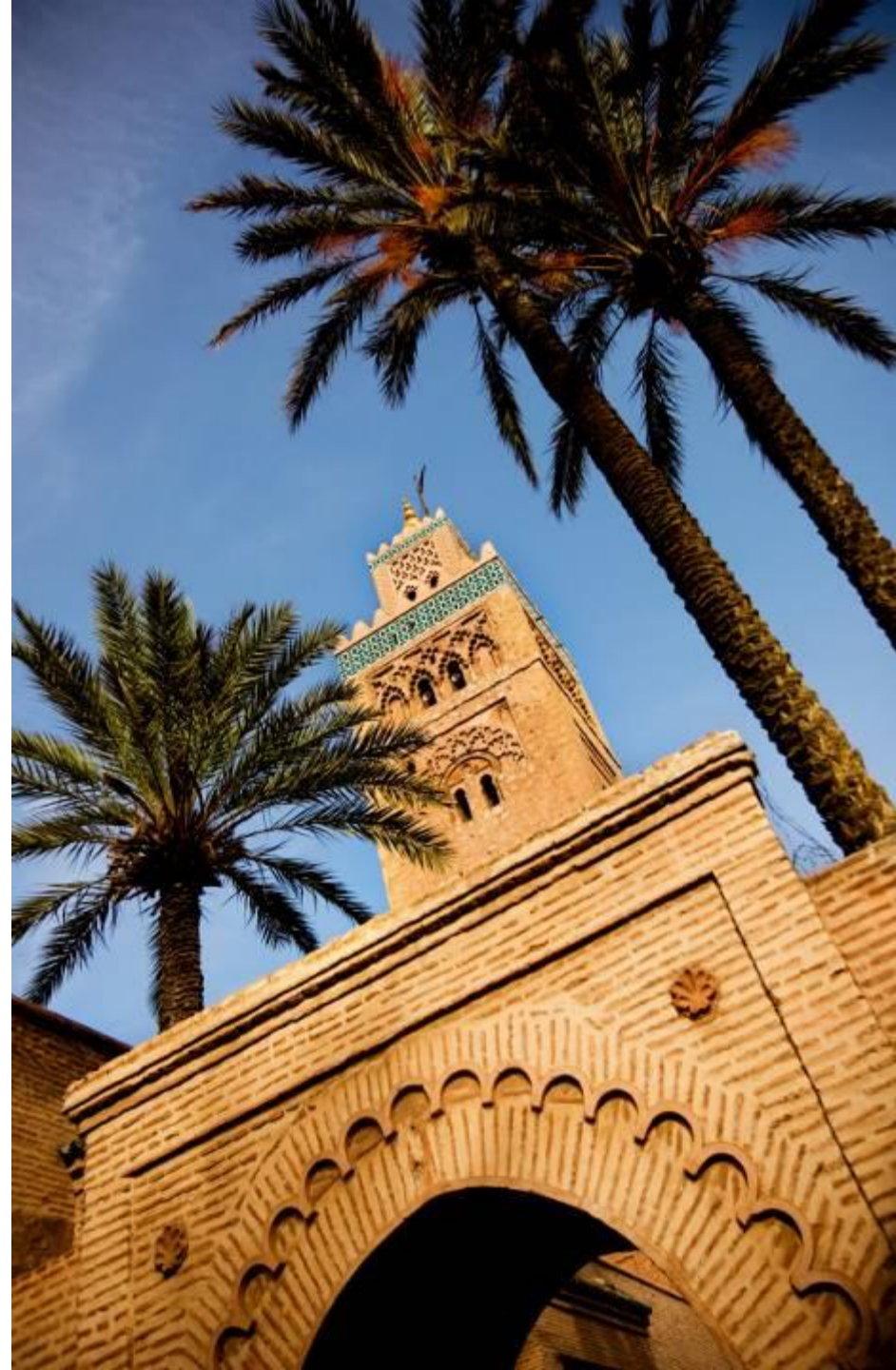


- ✓ **TIN** – LME traded metal facing significant **SUPPLY** pressure
- ✓ **TIN DEMAND** – Consumption in electronic applications is the **NEW** demand driver
- ✓ **TIN SUPPLY** – non-aligned and sustainable concentrate supply options **VANISHING**
- ✓ **TIN PRICE** – production outlook and concentrate supply issues driving price **UP**
- ✓ **NEW PROJECTS** – Chronic **UNDERINVESTMENT** in exploration = few significant new projects
- ✓ **KASBAH STRATEGY** – build a **SUSTAINABLE** tin business to meet supply gap
- ✓ **ACHMMACH TIN PROJECT** – Has **NEAR TERM** production capability & significant scale
- ✓ **MOROCCO** – stable, **EXPORT DRIVEN** Mediterranean country with a emerging economy
- ✓ **KASBAH MANAGEMENT TEAM** – focused on advancing Achmmach to **PRODUCTION**

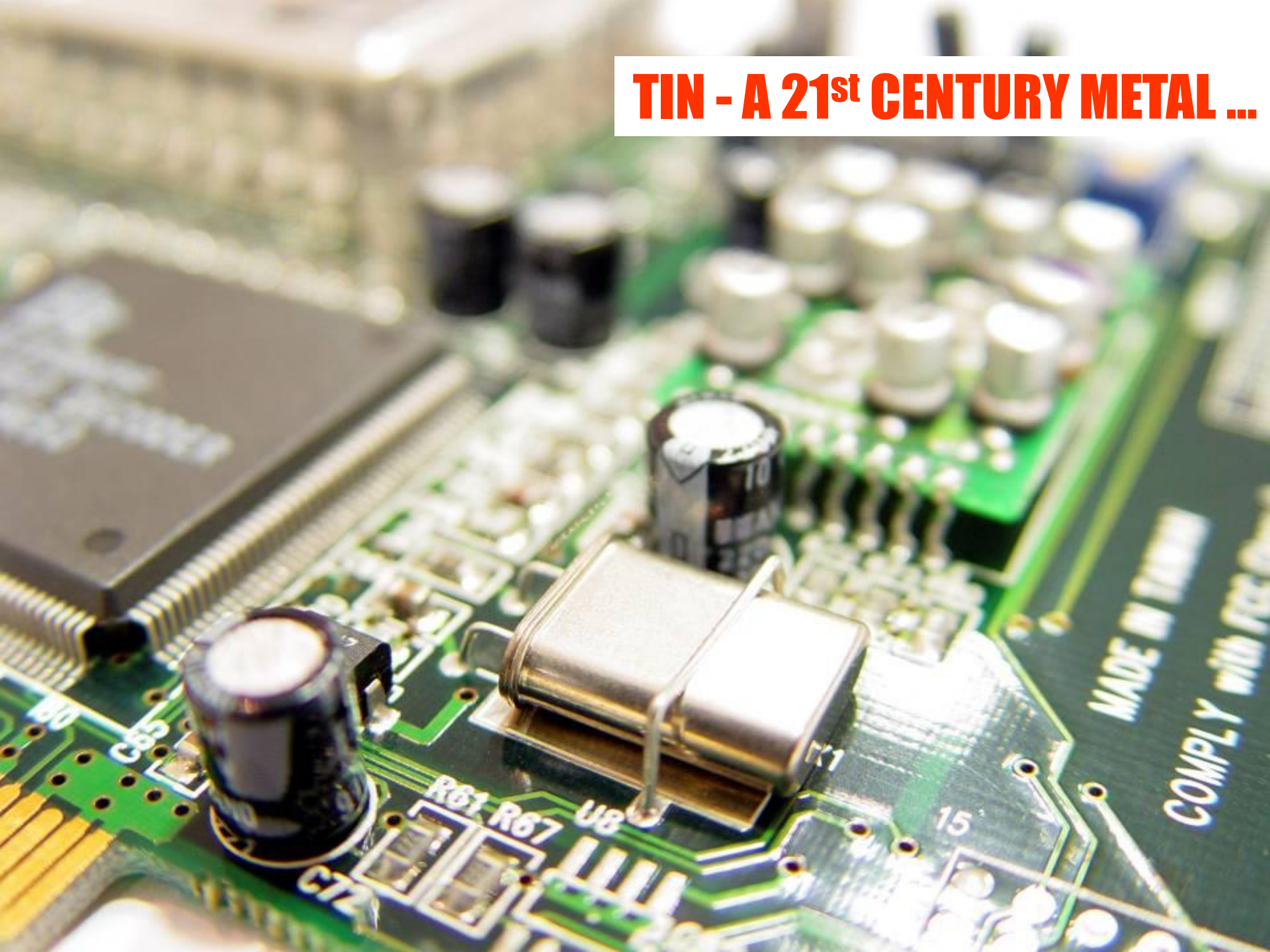


# **PRESENTATION OVERVIEW**

<b>Investment Case</b>	<b>3</b>
1. The Tin Industry – Yesterday & Today	5
2. Morocco	12
3. Kasbah Asset Map	14
4. The Achmmach Tin Project	15
5. ITRI – April 29 Statement	24
6. Who Will Fill the Supply Gap?	25
7. Recent Tin Transactions	26
8. Achmmach Development Concept	27
9. Achmmach Development Plan	28
10. Achmmach – Its Competitive Advantage	29
11. Corporate Snapshot	30



# TIN - A 21<sup>st</sup> CENTURY METAL ...





# 1. THE TIN INDUSTRY – YESTERDAY & TODAY

## HISTORICALLY

- ☐ Tin plate and alloying dominant demand drivers
- ☐ Over 50% of total output produced from unconventional or small scale operations

## EXISTING SUPPLY SOURCES

- ☐ Economics of small scale alluvial / eluvial operations marginal
- ☐ Existing hard rock mines are mature, being depleted and increasing up the cost curve
- ☐ Mines not captive to smelters are **VANISHING**

## DEMAND

- ☐ US EPA bans Pb in electronics in early 2000– Sn substitution for Pb creates **NEW** demand driver
- ☐ Food security issues & consumption by emerging economies increasing tinplate demand

## TODAY

- ☐ Tin has high value in use = consumers will pay whatever market price is
- ☐ World tin smelting capacity **EXCEEDS** world concentrate production capability
- ☐ **TRACEABILITY** of concentrate / metal supply becoming a significant issue
- ☐ **COMPETITION** for tin concentrate by tin smelters increasing....



# **TIN SOLDER – Consumer & Industrial electronics**



**51 %**





# **TINPLATE – Food Canning & Beverages**

**30 %**

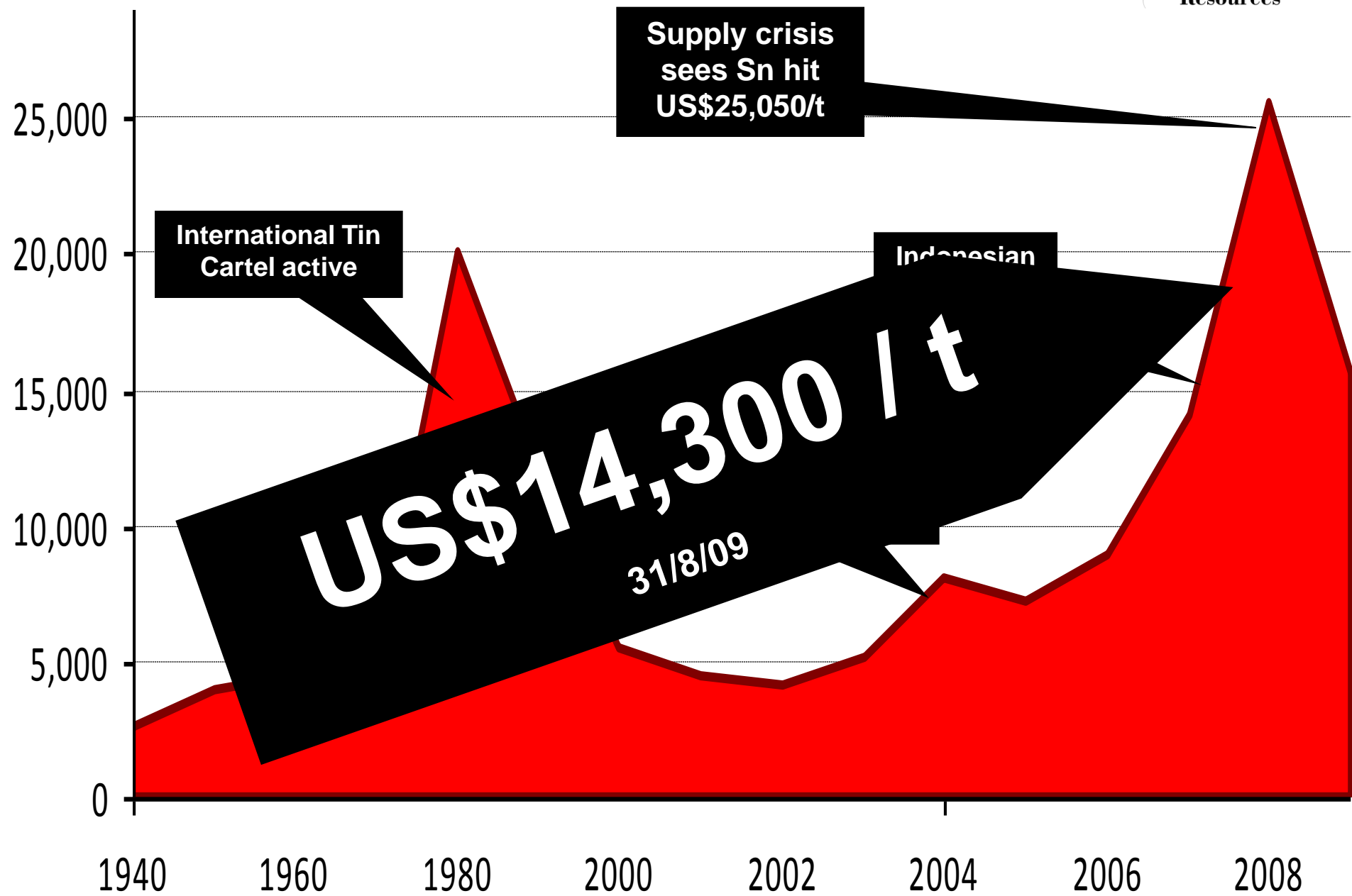


A large pile of blue and yellow PVC pipes in a warehouse. The pipes are stacked in various orientations, creating a dense, textured background. The blue pipes are more numerous and form the main body of the stack, while yellow pipes are interspersed, particularly in the foreground and to the right. The lighting is bright, highlighting the smooth, cylindrical surfaces of the pipes.

## CHEMICAL SECTOR – PVC stabilisers

**13 %**

# LME Tin Price - US\$/t







**Morocco**



## 2. MOROCCO – An Emerging Economy

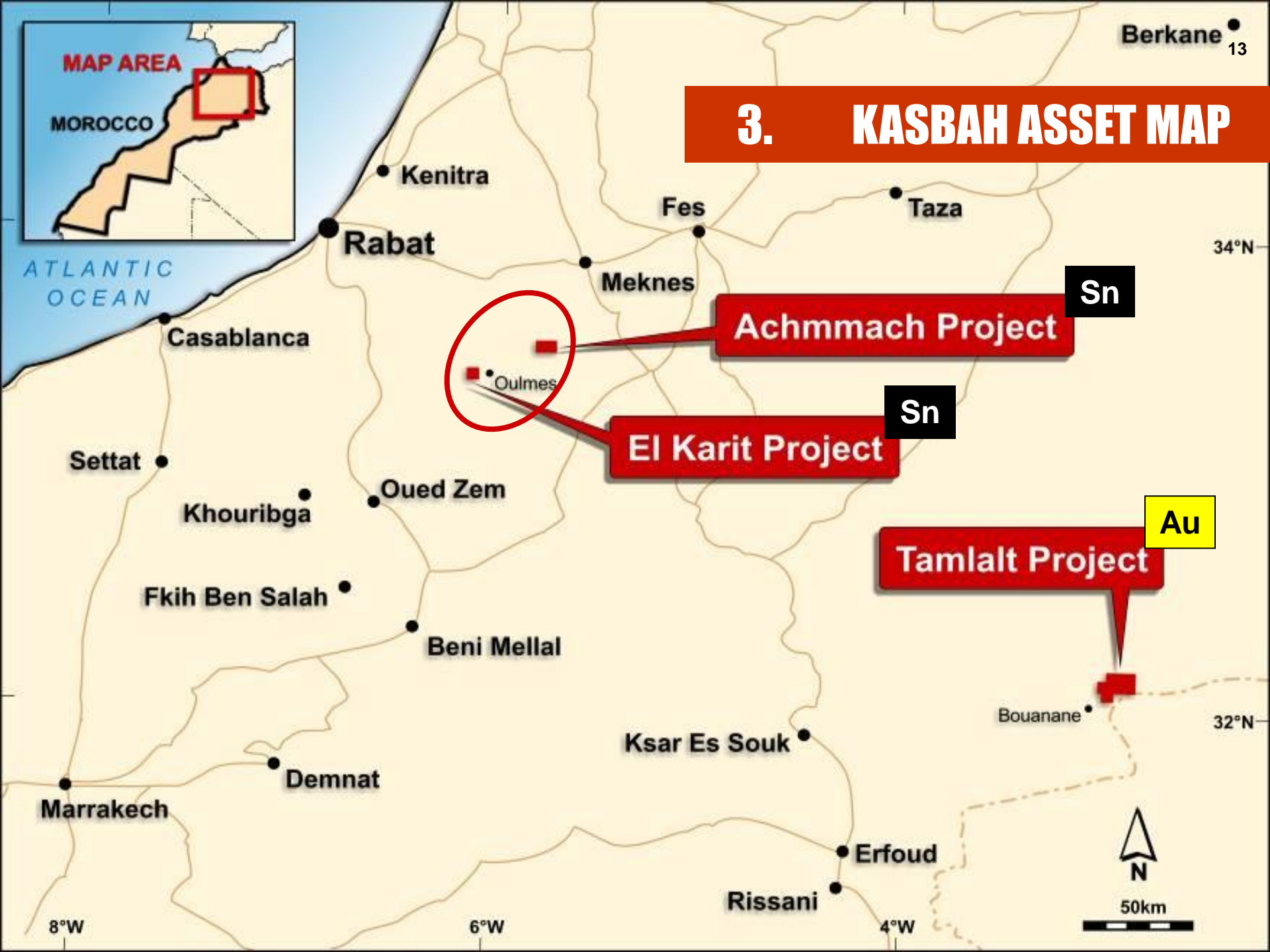
**KING MOHAMMED VI**  
addressing the UN

<b>Independence</b>	from France 1956
<b>Population</b>	34.8m (2008)
<b>Population Age</b>	32% 15 years or younger
<b>Population base</b>	59% Urban
<b>GDP per capita (PPP)</b>	US\$4000 (2008)
<b>Government</b>	Constitutional Monarchy
<b>King</b>	Mohammed VI - crowned 1999
<b>Prime Minister</b>	Abbas El Fassi - appointed Sept 2007
<b>Free Trade Agreements</b>	USA (2006) & EU(1996)
<b>Long term issuer default rating</b> (Fitch 2007)	Investment grade
<b>Major exports</b>	Phosphates, agriculture & textiles
<b>Main trading partners</b>	<b>75%</b> all exports to the EU





### 3. KASBAH ASSET MAP



Berkane 13

34°N

Sn

Achmmach Project

Sn

El Karit Project

Au

Tamlalt Project

32°N



50km

8°W

6°W

4°W





# The ACHMMACH Tin Project



## 4. ACHMMACH TIN PROJECT - OVERVIEW

### HISTORY & PROGRESS

- ☐ Discovered by the Moroccan state owned mining bureau (BRPM) 1985
- ☐ BRPM completed 14,000m DD & 827 UG gallery via exploration shaft 2002
- ☐ Kasbah IPO April 2007
- ☐ Kasbah commences diamond drilling November 2007
- ☐ **3X Upgrade to JORC Resource December 2008**
- ☐ Scoping Study completed Q3 2009

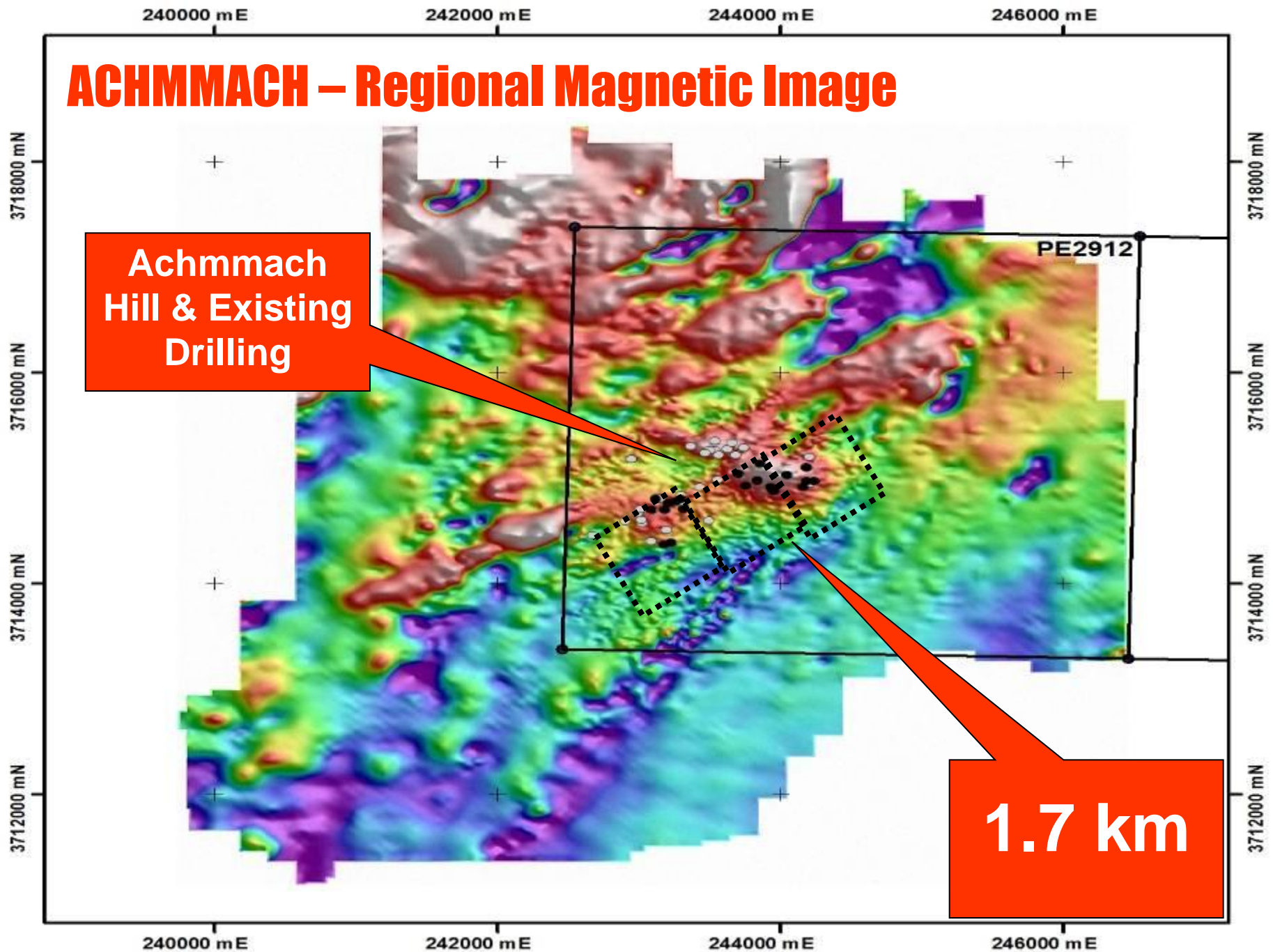
### MINERALISATION

- ☐ Has been drilled over only **1.7km** of a known **8km** strike
- ☐ Is open along strike and at depth
- ☐ System is structurally controlled – array of stacked tin lodes (breccias & wide veins)
- ☐ High metallurgical recovery achieved (75-80%) and ore amenable to conventional flow sheet

### JORC RESOURCE & FORWARD WORK PLAN

- ☐ December 2008 – **6 000,000 t JORC Inferred @ 0.9% Sn (diluted for mining @ 0.6% Sn COG)**
- ☐ **August 2009** – Meknes Zone Indicated (MZI) resource drill out for mine planning studies **commenced**
- ☐ Underground drilling programme for JORC reserve & DFS planned to commence early 2010

# ACHMMACH – Regional Magnetic Image





242500mE

243000mE

243500mE

244000mE

# ACHMMACH TIN PROJECT

250 metres

**Eastern Area****Central Area****Western Area**

Achmmach - Ain Hamma Fault

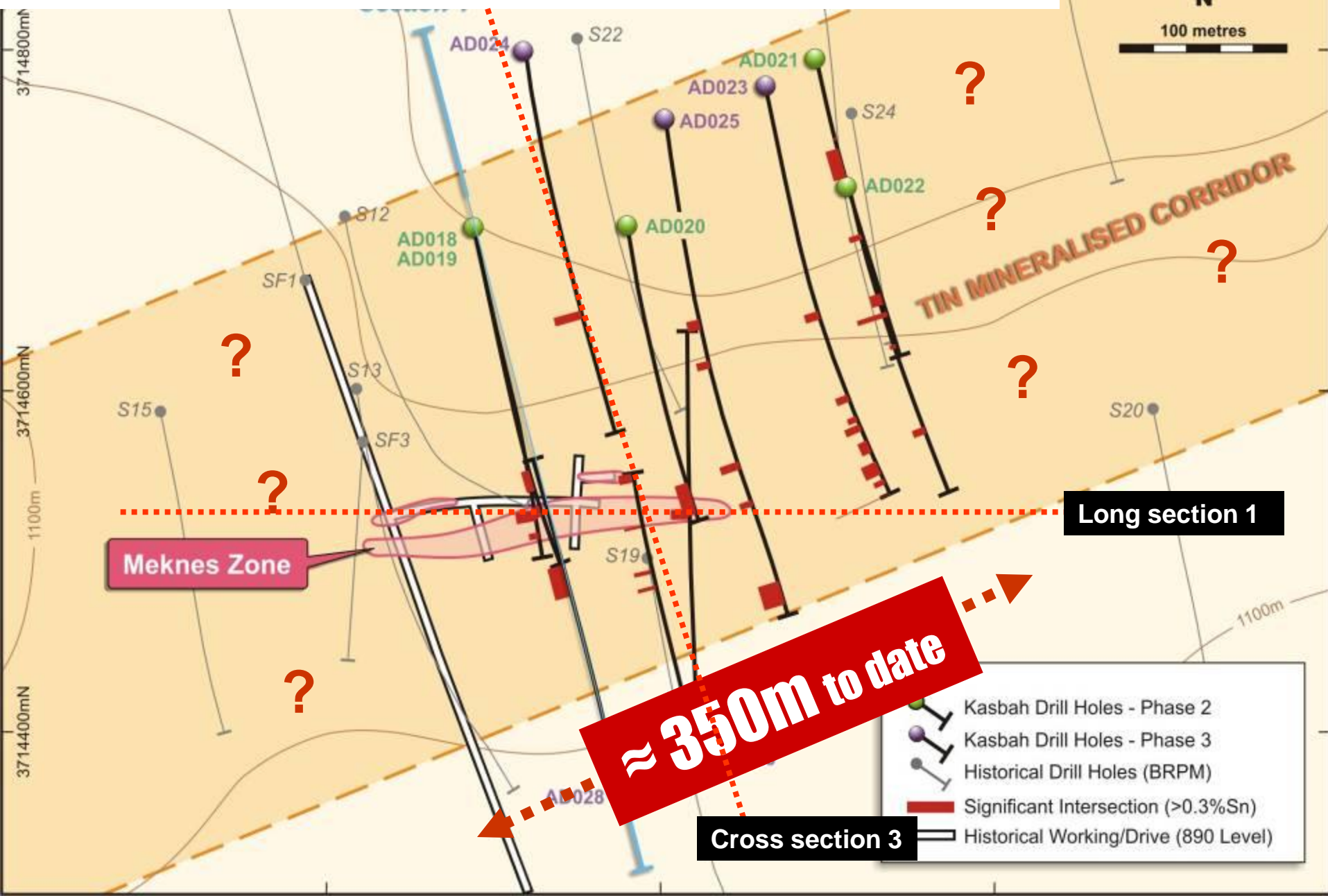
**HISTORICAL  
SHAFT and WORKING**  
(890 Level)

- Kasbah Drill Holes
- Main Breccia
- Fault
- Tourmaline Lode (locally Tin bearing)
- Intermediate Dyke
- Aplite Dyke

PERMIT BOUNDARY PE2912

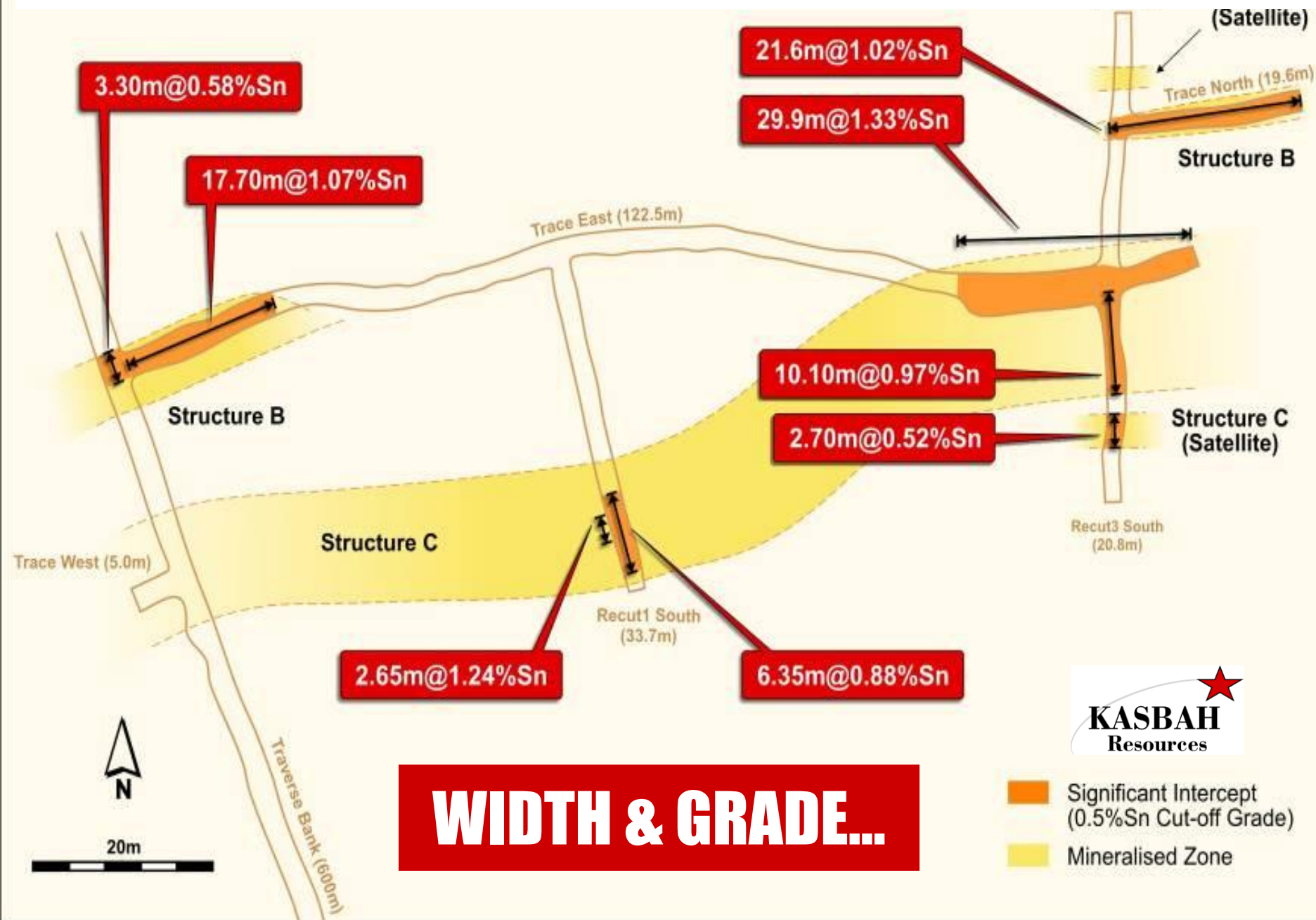
**ACHMMACH TIN PROJECT – Western Area Drill Plan**

The map displays the Western Area Drill Plan for the ACHMMACH TIN PROJECT. It shows a series of drill holes (AD018, AD019, AD020, AD021, AD022, AD023, AD024, AD025, AD028) and historical drill holes (S12, S13, S15, S19, S20, S22, S24). A red dashed line indicates the 'Long section 1' and a black dashed line indicates 'Cross section 3'. A red box highlights the 'Meknes Zone'. A red arrow points to a red box labeled '≈ 350m to date'. A legend identifies the symbols for Kasbah Drill Holes - Phase 2, Kasbah Drill Holes - Phase 3, Historical Drill Holes (BRPM), Significant Intersection (>0.3%Sn), and Historical Working/Drive (890 Level). A scale bar indicates 100 metres and a north arrow is present.





# MEKNES ZONE - Existing UG Development & Sampling @ 890RL



W

243000mE

243200mE

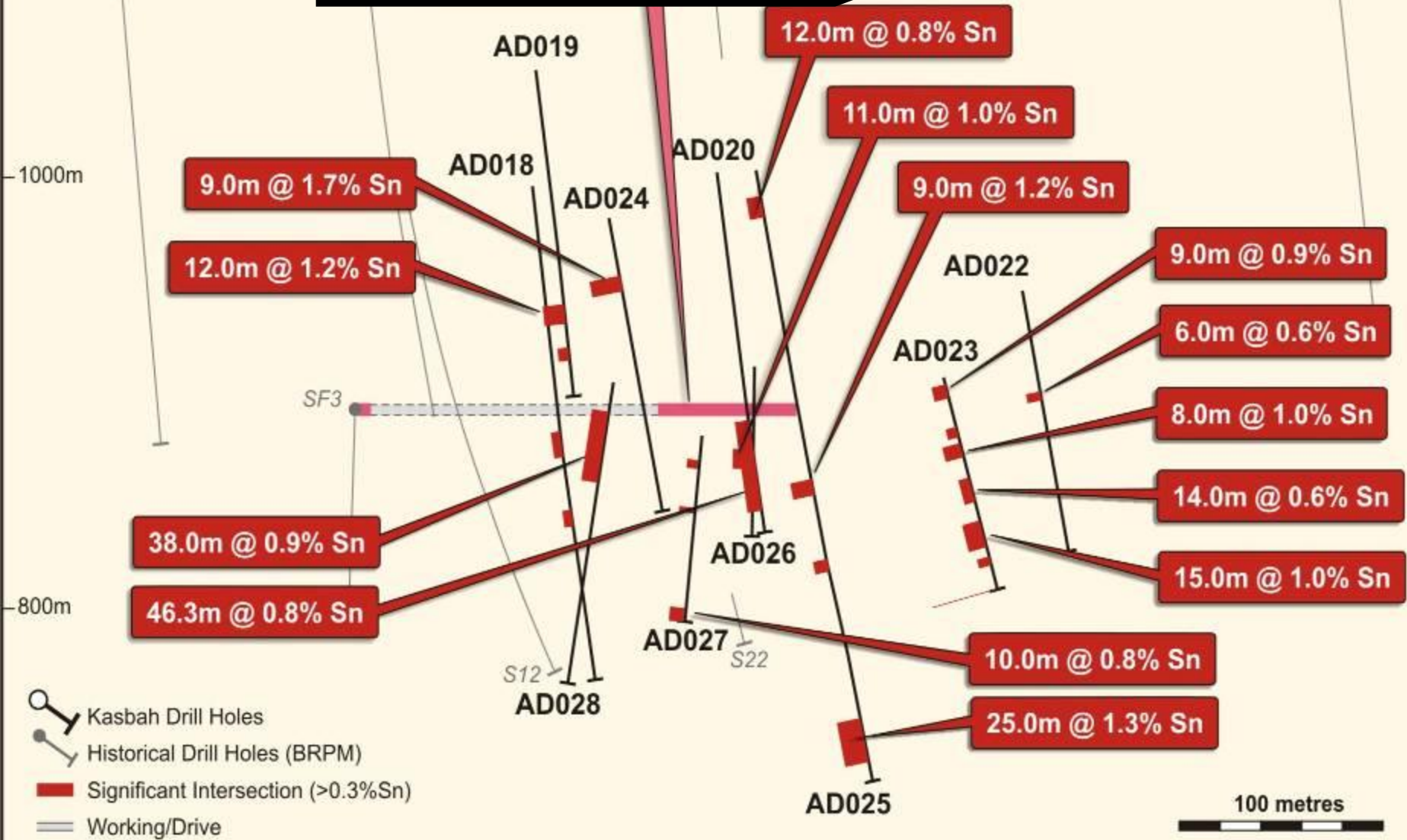
243400mE

E

# ACHMMACH –Long Section 1

MEKNES ZONE EXTENDED

≈ 350M IN STRIKE...





3714400mN

243200mE

3714600mN

3714800mN

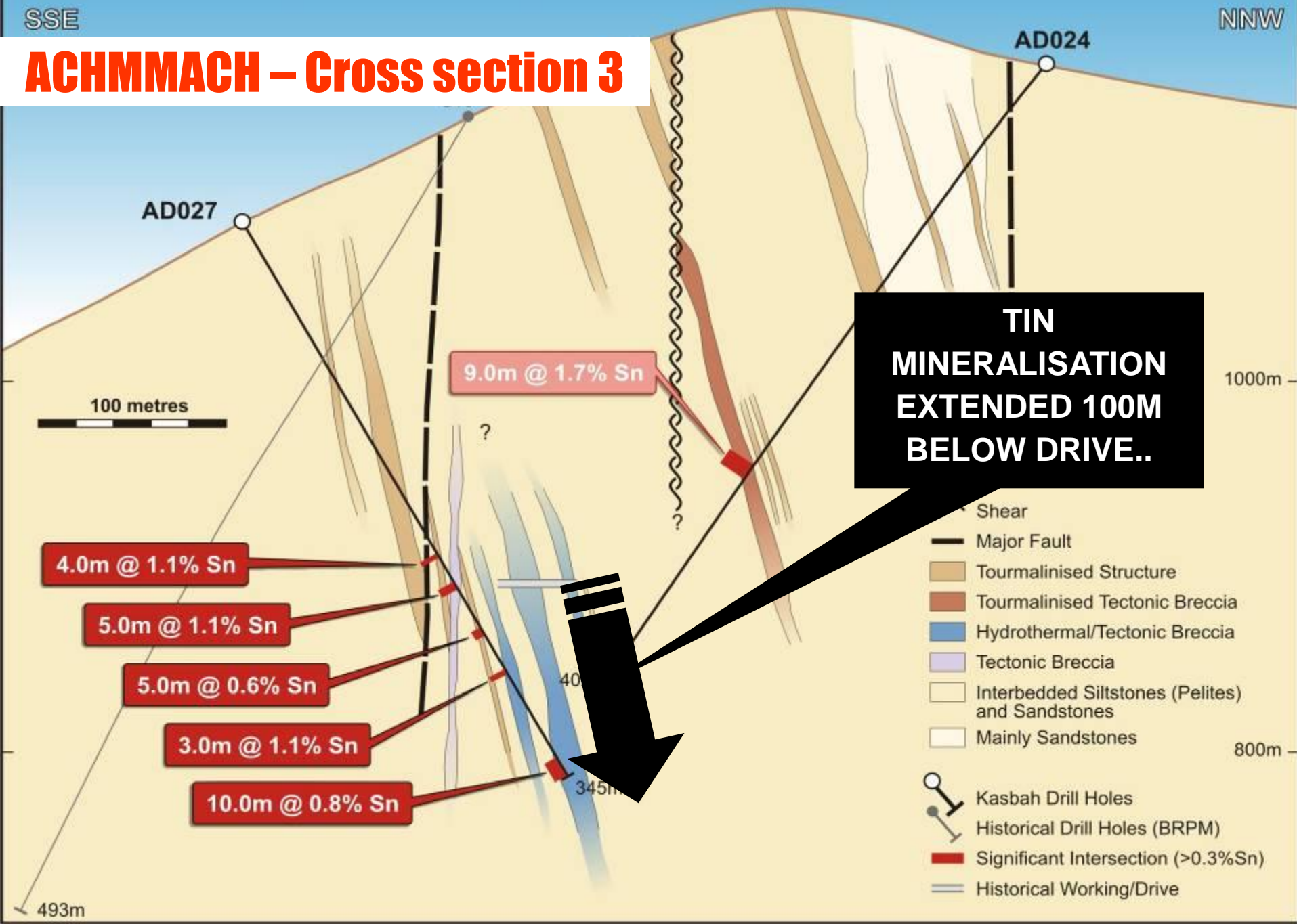
243100mE

21

SSE

NNW

# ACHMMACH – Cross section 3



# Achmmach Tin Project – Latest Significant Drill Intercepts

Drill Hole	From (m)	To (m)	Intersection Width	Tin Grade
AD020	337.5	383.8	46.0m	0.78%
AD021	117.3	153.8	36.5m	0.83%
and	331.7	338.6	6.9m	1.85%
AD023	225.0	234.0	9.0m	0.87%
AD024	268.0	277.0	9.0m	1.67%
AD026	258.0	269.0	11.0m	1.04%
AD027	209.0	213.0	4.0m	1.12%
and	226.0	231.0	5.0m	1.06%
and	240.0	245.0	5.0m	0.58%
and	281.0	284.0	3.0m	1.06%
and	335.0	345.0	10.0m	0.80%
AD028	235.0	273.0	38.0m	0.93%
and	241.0	252.0	11.0m	2.02%



# THE OPPORTUNITY- ACHMMACH & KASBAH



## 5. International Tin Research Institute (ITRI) Statement– 29 April 2009

“ITRI's analysis of over 20 potential hard-rock mining projects - with a combined resource of over one million tonnes of contained tin - shows an average grade of **less than 0.4% tin**. As a result very few are currently economically viable.

At the same time exploration activity to identify new resources is also likely to be restricted.

Thus an eventual post-recession recovery in tin consumption could encounter **significant supply constraints.**”

**6,000,000 t @ 0.9% tin**

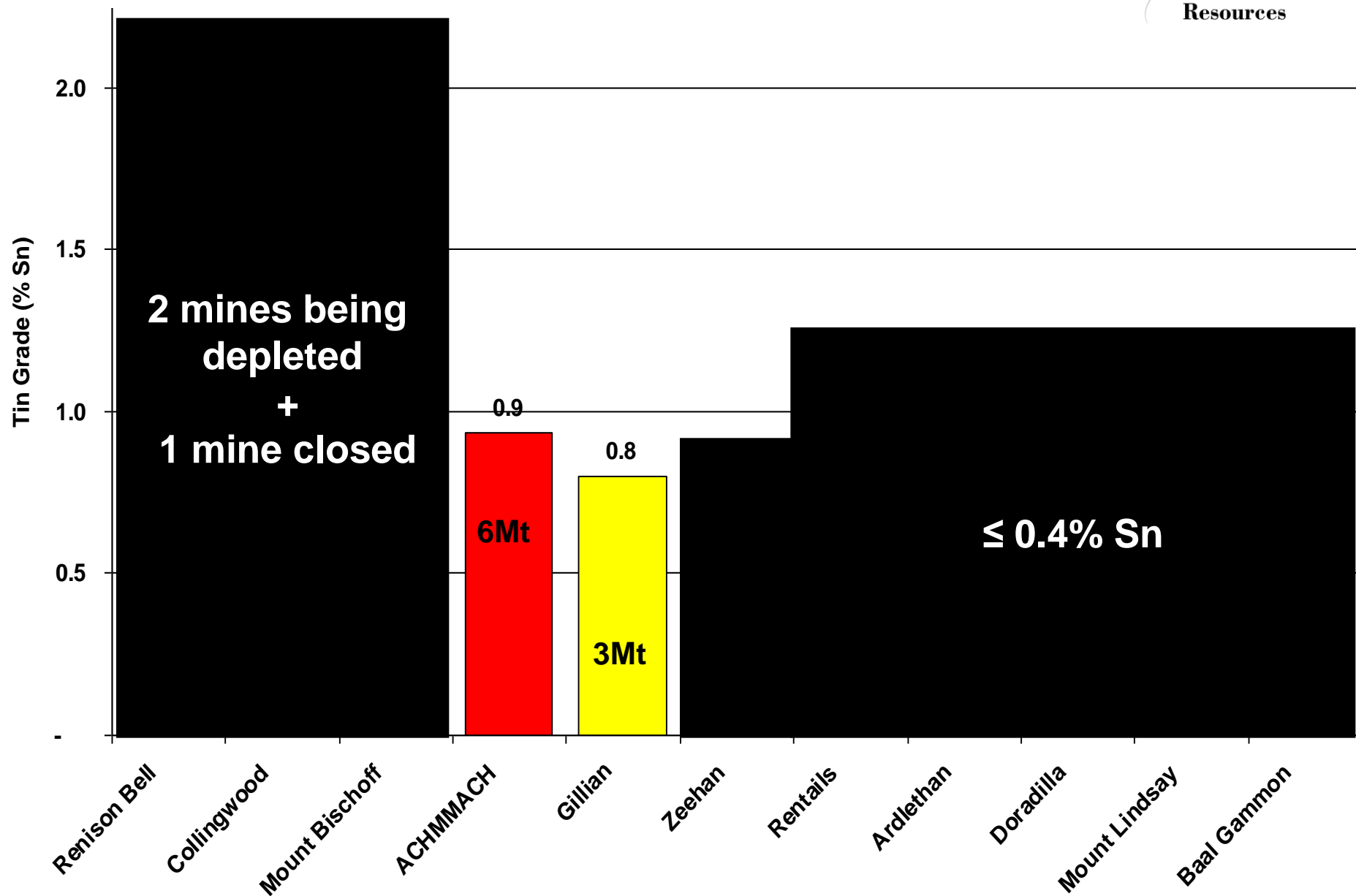
**Achmmach JORC Inferred Resource (Dec 2008)**



**DRILLING  
RECOMMENCED  
AUGUST 13**



## 6. WHO CAN FILL THE TIN SUPPLY GAP?




## 7. INDUSTRY CONSOLIDATION – Recent Tin Transactions

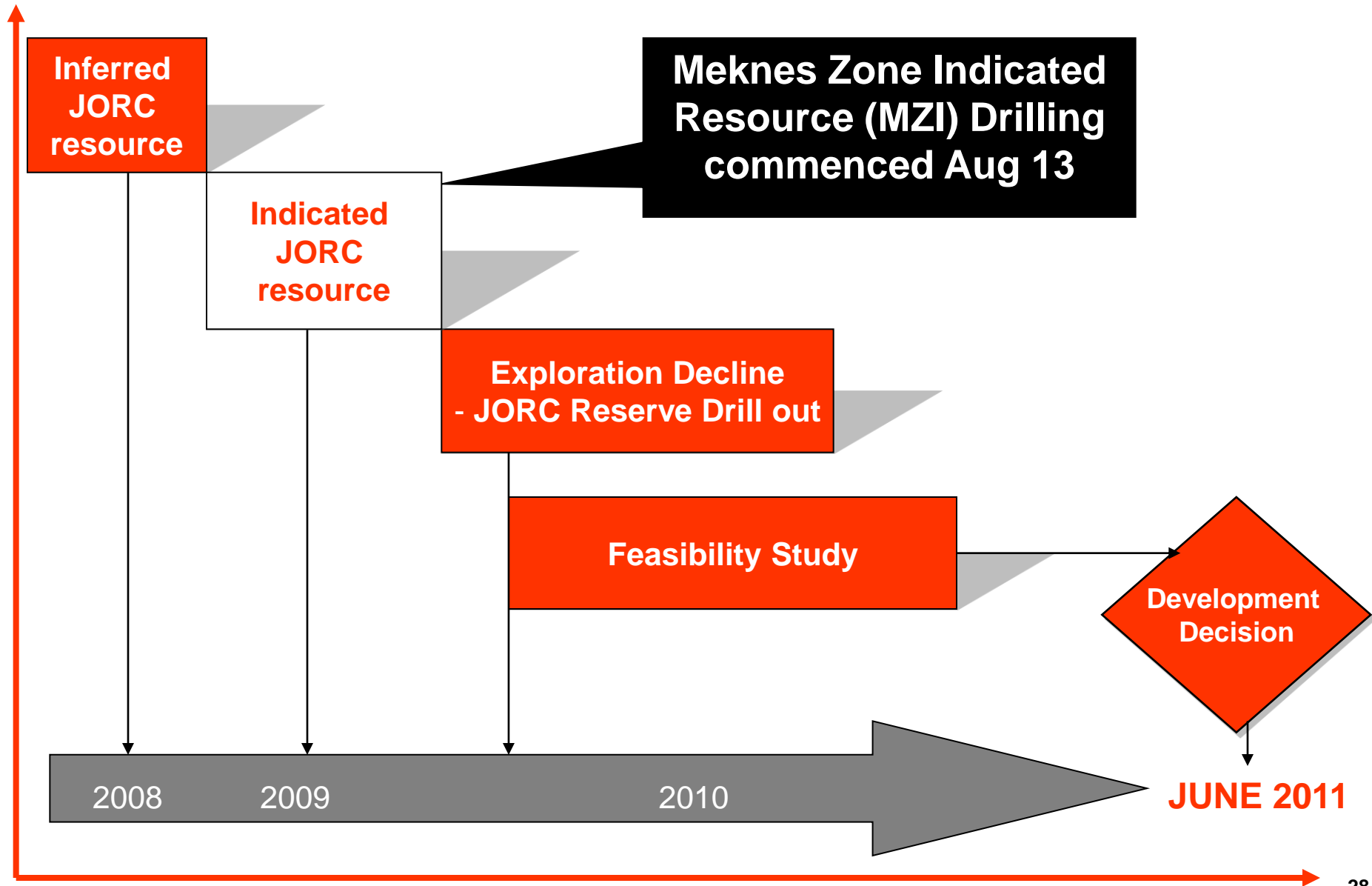
	<b>TABOCA Brazil Sept 08</b>	<b>BLUESTONE Tasmania July 09</b>	<b>KOBA Indonesia July 09</b>	<b>KASBAH Morocco</b>
Tin Resources (* non-JORC compliant)	450,000t *	102,000 t	60,000*	<b>52,000 Dec 08</b>
<b>2008 Production</b>				
Tin in concentrates (t)	5935	1079	5000	
Refined Tin (t)	6257	-	7109	-
Smelter capacity (tpy)	30,000	-	25,000	-
100% Valuation	US \$224 M	US \$84 M	US \$40 M	
<b>Tin Resource Grade</b>	<b>0.2%</b>	<b>&gt; 1%</b>	<b>&lt; 0.1%</b>	<b>0.9%</b>
	<b>100% Acquisition by Smelter</b>	<b>60% Acquisition by Smelter</b>	<b>30% Acquisition by Tin Co.</b>	



## 8. **ACHMMACH – Mine Development Concept**

- 
- ☐ Project Scale : 800,000 tpa
  - ☐ Mine life: > 6 years
  - ☐ Mining method: Bulk UG mining
  - ☐ Mined grade: 0.9 – 1% diluted
  - ☐ Tin in tin concentrate: 5,400 - 6000 tpa
  - ☐ Concentrate grade: 55 - 60 % Sn
  - ☐ Processing: Conventional  
crush, grind,  
gravity & flotation
  - ☐ Tin Recovery : 75 - 80 % Sn

## 9. **ACHMMACH – Development Plan**





# 10. **ACHMMACH – Its Competitive Advantage**

- ❑ **Tonnage & Grade**                    **6Mt JORC Inferred @ 0.9% Sn diluted (Dec 08)**
- ❑ **Scale:**                                **800,000 tpa hard rock UG project**
- ❑ **Access:**                              **Decline from side of hill directly into virgin ore body**
- ❑ **Mining widths:**                    **>10m = bulk mining methods**
- ❑ **Production:**                         **5400 – 6000 t of tin in tin concentrate per annum**
- ❑ **Metallurgy:**                         **75- 80% tin recovery to clean HG concentrate so far**
- ❑ **Infrastructure:**                      **Roads, power, water and communications exist**
- ❑ **Operating Cost:**                    **Morocco is a **low operating cost** environment**
- ❑ **Prospectivity:**                      **UG open at depth & along strike + open pit targets to test**
- ❑ **Skill base:**                          **Mature mining sector with extensive UG experience**
- ❑ **Shipping Rates:**                    **Smelter in Belgium or low back freight rates to Asia**

## MAJOR SHAREHOLDERS

<i>Founders &amp; Directors</i>	11 %
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<i>Institutional Investors</i>	
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<i>African Lion 2</i>	10%
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<i>Resource Capital Fund</i>	10%
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<i>Societe Generale Australia</i>	7%
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<i>@ AUG 31 TOP 20 HOLD</i>	64%
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ASX CODE	KAS
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SHARES ON ISSUE	177m
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CASH AT AUG 31	3.9m
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## BOARD & MANAGEMENT

<i>Non-Executive Chairman</i>	Graeme Walker
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<i>Managing Director</i>	Wayne Bramwell
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<i>Non-Exec Director</i>	Peter Hepburn–Brown
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<i>Non-Exec Director</i>	Dr Rod Marston
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<i>Non-Exec Director</i>	Dr Rob Weinberg
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<i>Manager Development</i>	Mike Kitney
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# KASBAH RESOURCES – Investment Case

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**More information:**

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**or [www.kasbahresources.com](http://www.kasbahresources.com)**





- The information in this report is based on information compiled by Mr. Jeffrey Lindhorst a Member of the Australasian Institute of Geoscientists. Mr. Lindhorst is a full-time employee of Kasbah Resources Limited and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Person as defined in the 2004 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. Mr. Lindhorst consents to the inclusion in the report of the matters based on this information in the form and context in which it appears.