
HI ALLOY OVERVIEW

2016



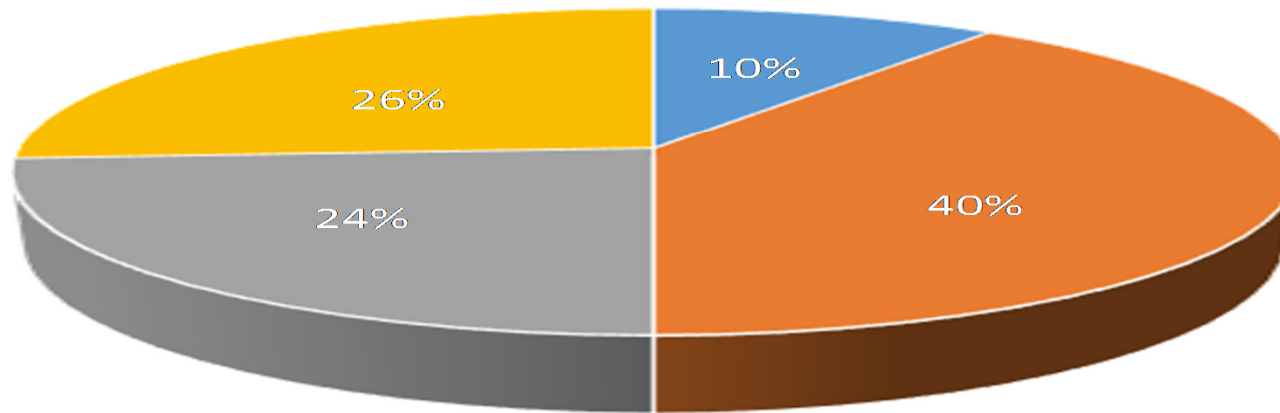
CONTENT

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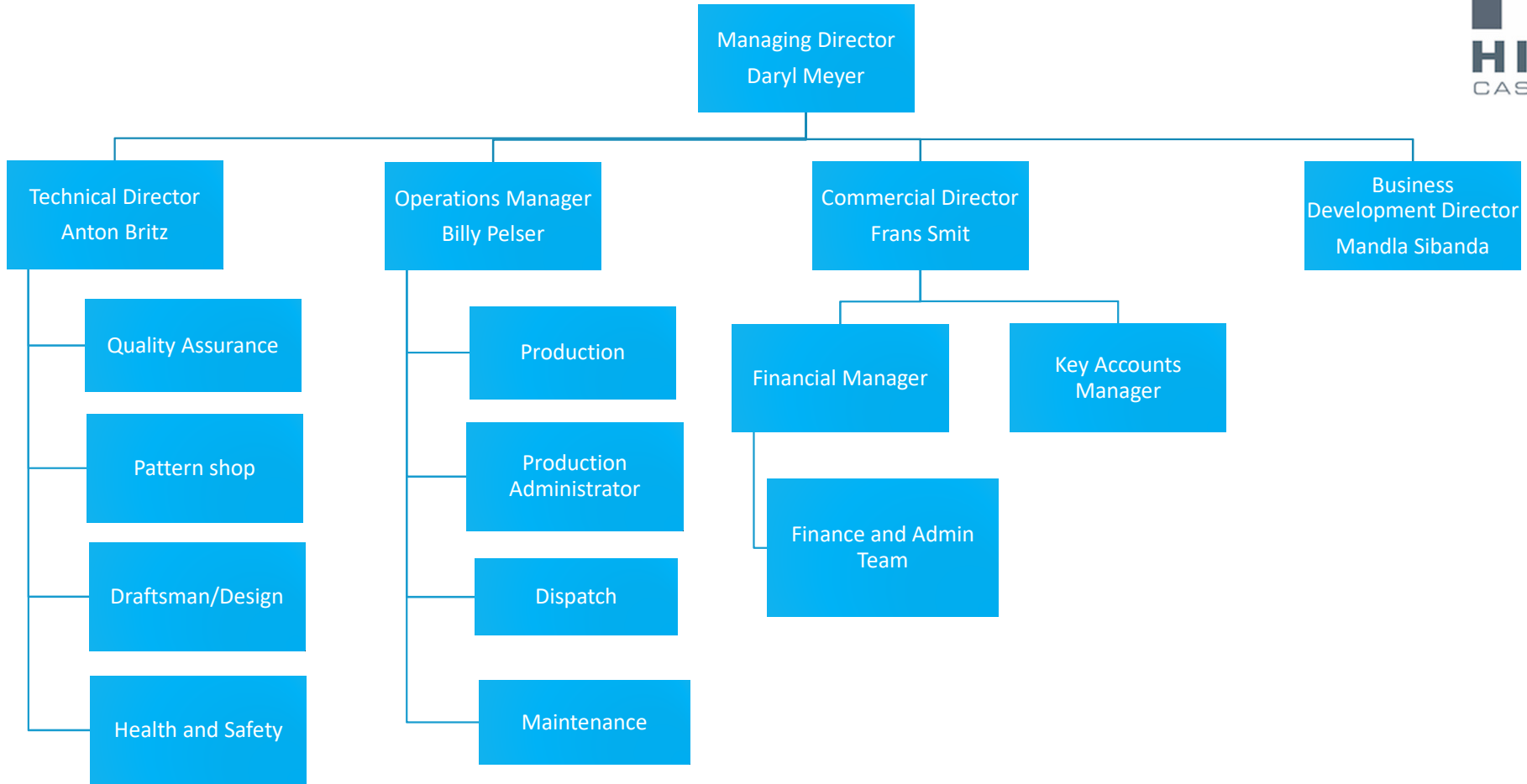
SHAREHOLDERS OF HAC

HAC Shareholding



- Anton Britz
- Consilium Industries (D Meyer / F Smit)
- Hi Alloy Investments (G Down)
- Hi Alloy Investments (BEE Investor)

UPDATED ORGANOGRAM




WHY HAVE HAC AS A SUPPLIER?

- Technical Capabilities
 - Qualified Metallurgist with 21 years experience most of it in the foundry industry
 - Processing Simulation Software (MAGMA)
 - Technical Draughtsman
 - ISO 9001:2008
- In-House Pattern Shop
- In-House Heat Treatment Facility
- Brand New Inductotherm 2X 1ton Capacity Furnaces
- CTI (Castings Technologies International) Process Quality Improvement Project (2015)
- Foundry Specific ERP System
- Level 3 BBBEE Contributor (New Legislation)



BBBEE level 3





BROAD-BASED BLACK ECONOMIC EMPOWERMENT


Certificate No: HIAC-BEE /2016/589
Generic B-BBEE Verification Certificate

This is to certify that: **HI ALLOY CASTINGS (PTY) LTD**

has been independently verified in accordance with the Codes of Good Practice, issued in terms of section 9(1) of the Broad Based Black Economic Empowerment Act 53 of 2003 (Gazette 11 October 2013). This Broad Based BEE Verification Certificate is based on information provided to LIDE, an IRBA accredited BEE Verification agency.


Registration Number: 1979/003005/07
Address: 50 Balfour Avenue, Senoni 1502

LEVEL 3 CONTRIBUTOR				
SCORECARD INFORMATION	ACTUAL SCORE	TARGET SCORE	ANALYSIS	RESULTS
Ownership	6.5	25.00	≥ 51% Black Ownership	No
Management Control	12	19.00	Black Ownership Voting Rights Black Ownership Economic Interest	26% 26%
Skills Development	28.52	20.00	≥ 30% Black Women Ownership	NO
Enterprise and Supplier Development	35	40.00	Black Women Ownership Voting Rights Black Women Ownership Economic Interest	26% 26%
Socio-Economic Development	5	5.00	Modified Flow Through Principle Applied	No
TOTAL SCORE	77.02	109.00	51% Black Owned Designated Supplier	No
Empowering Supplier	Yes		VAT Number	4850147549
Procurement Recognition Level	110.00%		Issue Date	16/09/2016
Discounting Principle Application	No		Expiry Date	15/09/2017
Recorded Procurement Recognition level	110.00%		Re-issue Date	N/A





LIDE Consultants & Co's Registered Auditors

IRBA practice number: 900950
 Tel: 012 323 9145/8
 Email: info@lide.co.za, www.lide.co.za

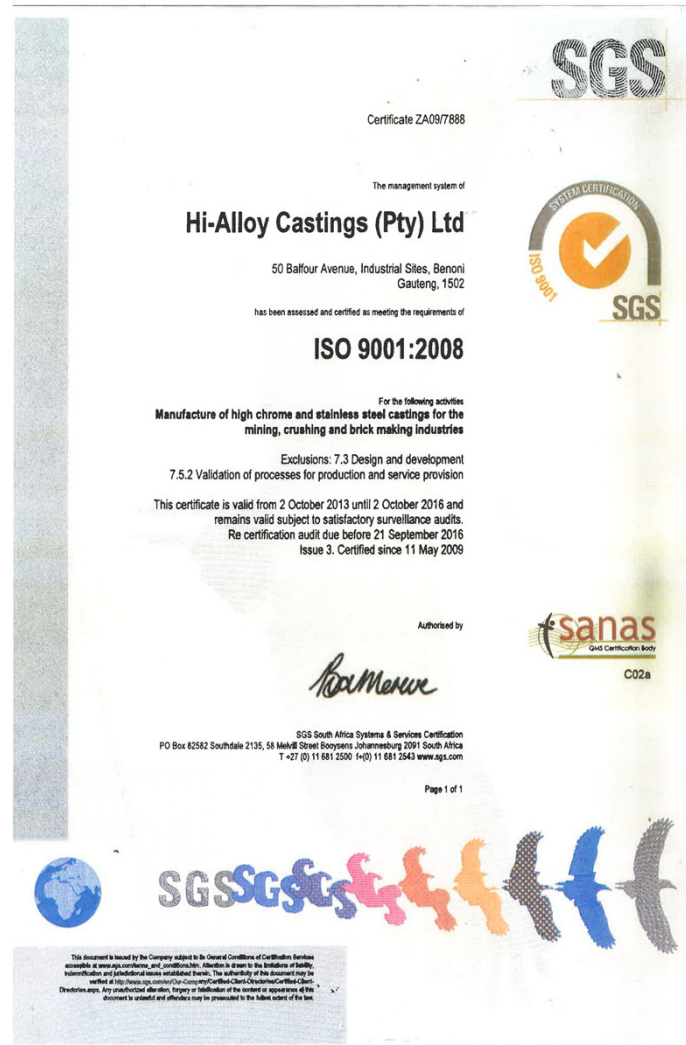


Registration number: 2009/186092/23
 Tel 012 323 9145/6 Email: info@lide.co.za, www.lide.co.za



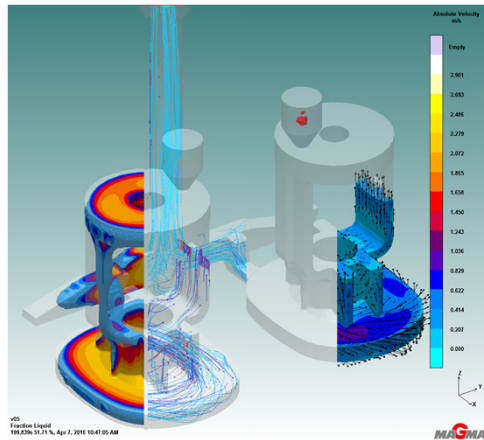


ISO Certification



Departmental Overview

Magma Simulation and Casting Methoding Design



Some of the latest technology is fully utilized by Hi Alloy Castings. Included in this is the emission spectrometer and Magma simulation software which is currently only used by a few foundries in the country.

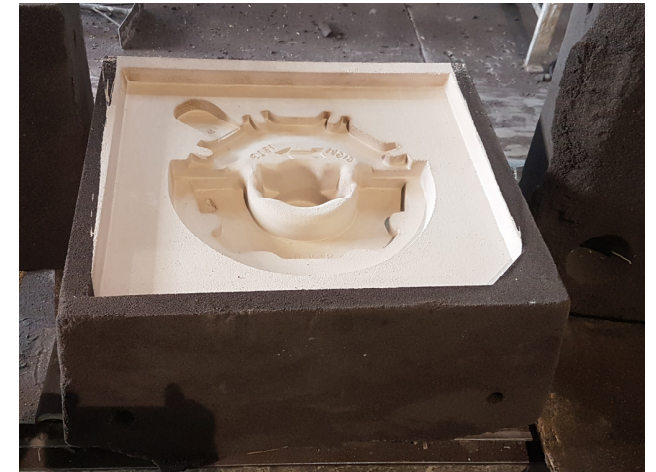
Magma is a simulation software that mathematically models the poring and solidification of a casting in a mould. The simulation is then used for pattern design and provides a benchmark for the casting environment, essentially making the foundry process more of a science and less of an art.

Pattern shop



In-house pattern shop allows the foundry to efficiently make pattern alterations and repairs with minimal interruptions to production. New patterns equipment projects are done in-house to maintain full control of quality and costs.

Moulding



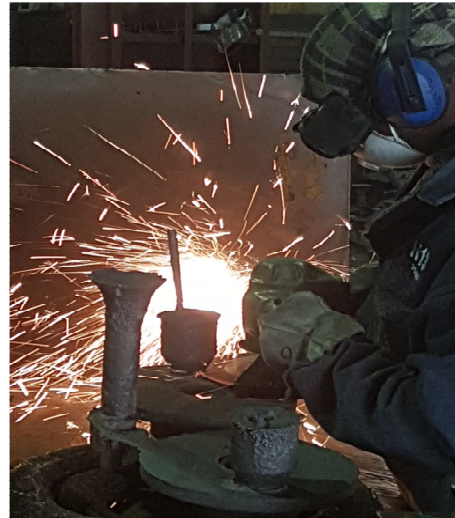
We have two separate moulding lines, allowing us the flexibility to execute any urgent requirements our clients may have. This also gives us the ability to offer a product range from 1kg to 1000kg.

Furnaces Casting Process



The casting process is carefully monitored to ensure that the exact temperatures are reached so that high quality castings are produced with little or no rejects. Each casting has a batch number to allow for traceability.

Knockout and Fettingling



When the castings temperature have dropped to the required standard, they are knocked out and fettling to the final product.

Heat treatment



We have five gas heat treatment furnaces which run 24 hours. Stringent quality checks are done to ensure that hardness and other specifications are carefully met.

Final Products



Hi Alloy Castings (Pty) Ltd produces specialised materials under stringent metallurgical conditions. Case hardening steels, stainless steels and high chrome-irons are manufactured to international specifications. We specialize in 27% chrome iron and Stainless Steel materials but are capable to produce most Ferrous Metals to customer specifications. Our commitment to product development is continuous as we have a specialised Technical Department which focusses on development of material specifications together with our customer and their specific needs.

QUESTIONS

