

AFRICAN rail evolution

17 - 18 October 2017

Durban International Convention Centre, Durban, South Africa

Maintenance and Rehabilitation - Putting African rail back on track



5 REASONS WHY YOU CANNOT MISS THIS EVENT:

- Learn from best practice case examples how to overcome an aged and under maintained rail eco-system with improved engineering solutions
- Discover the relevance of future technologies for condition-based monitoring and preventative maintenance
- Learn how to make quick wins that benefit operations and generate revenue by identifying and partnering with the right rehabilitation and maintenance solution providers and suppliers
- Understand the impact of digitalisation on maintenance and what the role of Big Data is in making railway operations safer and in monitoring operational safety
- Get insight straight from an exclusive African rail operators' executive panel discussion on managing maintenance and rehabilitation to preserve rail infrastructure and Rolling Stock in the future

FEATURING OVER 25 LEADING SPEAKERS INCLUDING



Jonathan Duvel, Principal Track Engineer, Transnet Freight Rail, South Africa



Betram Kiswaga, Deputy Managing Director, TAZARA, Tanzania



Fred Mwila, Technical Manager: Projects, Zambia Railways (ZRL), Zambia



Lewis Mukwada, General Manager, National Railways of Zimbabwe (NRZ), Zimbabwe



Isaiah Otieno Okoth, Group Chief Executive Officer, Rift Valley Railways, Kenya

Book your seat for African Rail Evolution 2017 today!

Subsidised rates for government, rail authorities and rail operators apply.

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Welcome to African Rail Evolution 2017



We are delighted to present you with the 2nd annual and only forum of its kind for maintenance and rehabilitation professionals in Africa.

The event will provide key insights into emerging trends in rail maintenance and rehabilitation, confront the most pressing issues, discover solutions and debate a roadmap to put African rail back on track.

Incisive case studies, panel discussions and specialised sessions will provide practical guidelines and open up real discussion, facilitating solutions and partnerships that will help realise the full potential and benefits of a maintained and rehabilitated rail eco-system.

The two-day conference programme is strategically co-located with the 6th annual African Ports Evolution Forum with a joint keynote plenary session that will look at how to enhance regional connectivity through inter-modal value chain opportunities. The event will conclude on a high note with a joint closing panel session where the respective chairmen of both forums will give their feedback, action points and highlights with progress to be assessed at the 2018 event.

We look forward to welcoming you in Durban in October 2017!

Nico Loretz
Programme Director: African Rail Evolution



WHAT TO EXPECT?



120+
Delegates



30+
Railways operators & Government representatives



30+
High-level private sector service providers



15+
Hours of networking and exchange



400+
Visitors

Participating Rail Operators and Authorities:



WHO SHOULD ATTEND?

Engineers, Directors, Managers, Department Heads, Supervisors, Inspectors, Technical Officers of:

- Maintenance
- Rehabilitation
- Operation
- Infrastructure, Track and Perway
- Rolling Stock
- OHTE Electrical and Cabling
- Signalling and Communication
- Safety, Reliability and Standards
- Core Systems
- Rail Maintenance Software and Technology
- Equipment

**Private sector companies book for 4 and the 5th person can be registered for FREE!
Quote validation code ARE005**

Contact Ibtishaam: ibtishaam.solomons@rail-evolution.com +27 87 890 0898

Event at a glance



SPEAKER & DELEGATE-ONLY LUNCH ZONE:
Sponsorship opportunities available



SPEAKER & DELEGATE-ONLY LUNCH ZONE:
Sponsorship opportunities available

3 YEARS

connecting rail operators and rail solution providers/suppliers



10+ COUNTRIES

represented & attracting GLOBAL LEADERS in Rail maintenance

28+ SPEAKERS AND PANELLISTS

delivering insightful ideas and case studies providers/suppliers



400+

total attendees

30+

private sector service providers



40%

visitors are suppliers and vendors

NEW FEATURES

- More interactive panel discussions
- More networking and matchmaking
- Rail operator focus sessions
- Larger exhibition of service providers

OPTIMISATION MAINTENANCE REHABILITATION SYSTEM UPGARDE RAIL
CABLING DIGITALISATION RETROFIT REGIONAL INTEGRATION
REVENUE RAIL
SAFETY RAIL
ENGINEERING RAIL
PRODUCTION RAIL
ROLLING STOCK RAIL
SYSTEM UPGARDE RAIL
REGIONAL INTEGRATION RAIL
OPTIMISATION RAIL
REVENUE RAIL
SAFETY RAIL
ENGINEERING RAIL
PRODUCTION RAIL
ROLLING STOCK RAIL
SYSTEM UPGARDE RAIL
REGIONAL INTEGRATION RAIL
OPTIMISATION RAIL

Conference programme - Day 1: 17 October 2017

Day 1: Tuesday, 17 October 2017

JOINT OPENING KEYNOTE PLENARY SESSION 1.0.1 - Implementing trans-African transport corridors

Chairperson: *Victor Kgomoewana, Author and African Business Specialist, South Africa*



09:30 Tea and coffee served

10:00 Chairperson welcome

Victor Kgomoewana, Author and African Business Specialist, South Africa

10:10 Ministerial Address

The Honourable Joe Maswanganyi, Minister of Transport, South Africa

10:30 Keynote address

*Speaker to be advised**

11:00 Panel Discussion: **Enhancing regional connectivity – multi-modal integration to drive development in Africa**

- Upgrading regional corridors and evaluating the obstacles facing integrated transport systems
- Improving infrastructure conditions for efficiency in logistics while reducing costs
- Capacity building for intra-African trade, asset management and shared asset utilisation
- How can African ports and corridors remain competitive but still leverage off regional port collaboration?

Panellists:

- *Nancy W. Karigithu, Principal Secretary, Shipping and Maritime Affairs, Ministry of Transport, Infrastructure, Housing and Urban Development, Kenya*
- *Apollo Kashanku, Principal Transport Economist, Ministry of Works & Transport, Uganda*
- *Nozipho Mdawe, Secretary General, PMAESA, Kenya*
- *William Petty, Regional Director – Africa, IRU (International Road Transport Union), Switzerland*
- *Sipho Khumalo, CEO, Cross-Border Road Transport Agency (C-BRTA), South Africa*
- *Senior representative, Development Bank of South Africa (DBSA), South Africa*



12:00 Networking and matchmaking session on the exhibition floor

13:00 Lunch

SESSION 1.1.2 - African Rail operators focus – maintenance and rehabilitation from conception to grave

Chairperson: *Brian Monakali, Chairman, South African Heavy Haul Association (SAHHA), South Africa*

14:00 **Remanufacturing as an answer to aged and under maintained rolling stock in Sub-Saharan Africa – a case study of Zambia Railways locomotives**
Fred Mwila, Technical Manager: Projects, Zambia Railways (ZRL), Zambia

14:20 **Tanzanian-Zambian rail operator case study: Tanzania-Zambia Railway Authority (TAZARA)**
Betram Kiswaga, Deputy Managing Director, Tanzania-Zambia Railway Authority (TAZARA), Tanzania

14:40 **Case study: Transnet's track performance on the NATCOR corridor – challenges and improved maintenance management solutions**
Jonathan Duvel, Principal Track Engineer, Transnet Freight Rail, South Africa

15:00 Panel discussion and Q&A

15:30 Afternoon refreshments



SESSION 1.1.3 - Maintenance and rehabilitation in the global market

Brian Monakali, Chairman, South African Heavy Haul Association (SAHHA), South Africa

16:00 **The maintenance and refurbishment of rolling stock to support emerging business in the export market**
Kevin Holloway, President, Rail Road Association of South Africa, South Africa

16:20 **Case study: Maintaining, upgrading and future-proofing ageing rolling stock / track / signalling networks / cabling / equipment / infrastructure**
*Reserved for a sponsor**

16:40 **Case study: Combining system modelling and data analytics with hybrid Condition-Based Maintenance (CBM) technology**
*Reserved for a sponsor**

17:00 Panel discussion and Q&A

17:30 Closing remarks

18:00 Mayoral cocktail function

*=invited



Assessment and validation of the 2nd Annual Rail Evolution Forum is underway by The Southern African Asset Management Association for CPD accreditation for registered professional engineers. Up to 2 CPD credits will be awarded based upon attendance after the event.

Conference programme - Day 2: 18 October 2017

Day 2: Wednesday, 18 October 2017

SESSION 2.1.1 - RAIL OPERATORS: MANAGING MAINTENANCE AND REHABILITATION

Renaire Huntley, Executive: Strategy & Business Development, Rail Safety Regulator, South Africa

09:30 African rail operators' executive panel discussion: Managing maintenance and rehabilitation to preserve rail infrastructure and Rolling Stock in the future

- What are the short to medium term plans?
- Rehabilitate vs. new - saving what you have to generate revenue from it in order to ultimately buy new?
- Upgrading systems vs. entire units? Either for Rolling Stock or Infrastructure replacement? From an operations point of view, which would be most beneficial?
- What are the expectations for skills transfer, technology transfer, people & industry development, job creation and localisation?
- Identifying and partnering with the right suppliers for making quick wins that benefit the operations and generate revenue, improving rehabilitation and maintenance of fleets, equipment, infrastructure etc. Are you looking for this type of scenario?
- Regional integration in operations and safety standards – who are the key role players in the region. How are the operators linked to this regional integration strategy? Is there common understanding and standards in place?

Moderator: *Nkululeko Poya, Chief Executive Officer, Rail Safety Regulator (RSR), South Africa*

Panelists:

- *Richard Diedong Dombo, Chief Executive Officer, Ghana Railway Development Authority, Ghana**
- *Betram Kiswaga, Deputy Managing Director, Tanzania-Zambia Railway Authority (TAZARA), Tanzania*
- *Lewis Mukwada, General Manager, National Railways of Zimbabwe (NRZ), Zimbabwe*
- *Stephenson Ngubane, Chief Executive Officer, Swaziland Railways, Swaziland**
- *Isaiah Otieno Okoth, Group Chief Executive Officer, Rift Valley Railways, Kenya*



11:00 Networking and matchmaking on the exhibition floor

SESSION 2.1.2 - Railway safety and future rail systems

Renaire Huntley, Executive: Strategy & Business Development, Rail Safety Regulator, South Africa

11:30 Panel discussion: Future rail systems, big data and railway safety – is Africa de-railing or on track?

- Where is Africa in the Production 4.0 initiative in terms of predictive- and condition-based maintenance? Are we being left behind and if yes, what should we do to become relevant?
- The impact of digitalisation on maintenance
 - What is the role of Big Data in making railway operations safer and in monitoring operational safety?
 - How is "information overload" catered for?
- Risks and opportunities of long-term (e.g. 30 year) maintenance procurement plans
 - Contract development in the face of uncertainty
- Implications of the Luxembourg Protocol on railway safety
 - What risks and opportunities does the Luxembourg Protocol present to the safety regulatory environment?
 - How will the Protocol contribute to safety assurance from an asset maintenance perspective?
- How relevant is future technologies for condition-based monitoring and preventative maintenance

Moderator: *To be advised**

Panelists:

- *Tino Gabryk, National Maintenance Operations Manager, Engineering Services, PRASA, South Africa*
- *Andrea Giuricin, Chief Executive Officer, TRA Consulting and Managing Director, CRIET – Transport, University Milan, Italy*
- *Jack van der Merwe, Chief Executive Officer, Gautrain Management Agency, South Africa**
- *Reserved for a sponsor**



13:00 Networking and matchmaking on the exhibition floor

14:00 Lunch and expo viewing

JOINT CLOSING SESSION 2.0.3 - Enhancing regional connectivity through transport hubs

Chairperson: *Senior representative, Development Bank of Southern Africa (DBSA), South Africa*



15:00 Panel Discussion: Chairman feedback, action points and highlights from African Ports Evolution and African Rail Evolution Forums

Panelists:

- *Phyllis Motsatsi Difeto, Chief Operating Officer, Transnet Port Authority, South Africa*
- *Renaire Huntley, Executive: Strategy & Business Development, Rail Safety Regulator, South Africa*
- *Brian Monakali, Chairman, South African Heavy Haul Association (SAHHA), South Africa*
- *Andrew Robinson, Director, Norton Rose Fulbright South Africa Inc., South Africa*

16:30 Closing remarks and close of summit

*=invited

Highlighted speakers



Hon Mkhacani Joseph Maswanganyi,
Minister,
Department of Transport,
South Africa



Isaiah Otieno Okoth,
Group CEO,
Rift Valley Railways,
Kenya



Lewis Mukwada,
GM,
National Railways of
Zimbabwe (NRZ),
Zimbabwe



Nkululeko Poya,
CEO,
Rail Safety Regulator (RSR),
South Africa

“ A very good opportunity to meet partners for the development of the African Rail sector. A conference where politicians, regulators and railway operators have to be! ”

Andrea Giuricin, Chief Executive Officer, TRA Consulting and Managing Director, CRIET – Transport, University Milan, Italy



Fred Mwila,
Technical Manager:
Projects Zambia
Railways (ZRL),
Zambia



Betram Kiswaga
Deputy Managing Director,
TAZARA,
Tanzania



Kevin Holloway,
President,
Rail Road Association
of South Africa,
South Africa



Jonathan Duvel,
Principal Track Engineer,
Transnet Freight Rail,
South Africa

Register for the only African forum for rail maintenance and rehabilitation professionals

Space is limited and available on a first come first served basis. You need to pre-register to secure a seat at the conference.

- 1 Register online: www.rail-evolution.com/register
- 2 Email Ibtishaam Solomons at ibtishaam.solomons@rail-evolution.com
- 3 Contact our team directly at +27 87 890 0898

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Conference pass

RATES APPLICABLE TO SOUTH AFRICAN BASED ORGANISATION AND ARE QUOTED IN SOUTH AFRICAN RANDS

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RATES APPLICABLE TO INTERNATIONAL BASED ORGANISATIONS AND ARE QUOTED IN US DOLLARS

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SUBSIDISED RATES FOR GOVERNMENT, RAIL AUTHORITIES AND RAIL OPERATORS APPLY WITH EVEN GREATER DISCOUNTS ON GROUP BOOKINGS. CONTACT US FOR MORE INFORMATION IF YOU COMPLY.

T's & C's apply:

- 14% VAT applicable to all events taking place in South Africa.
- If payment is not received by the time of the early bird price expiring, the next tier pricing will apply.
- Rates exclude 5% administration fee which will be included / added to your invoice.

ABOUT THE ORGANISERS

hypenica

Hypenica is an international media group that serves its markets by connecting buyers and sellers, sharing information and experiences, identifying new opportunities and enabling more effective business. We do this through our innovative print, digital and event products which provide important marketing platforms for any company wanting to build their profile and reach their target market – whether nationally, regionally or globally.

Hypenica's expertise and track record extends to the following niche B2B sectors:

- Built environment: Incorporating concrete, cement, construction and infrastructure
- Agriculture
- Transport (infrastructure)
- Industrial and manufacturing

Event partners



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