



From new site rollout to upgrade work on existing infrastructure, significant investment is going into African and Middle Eastern towers. Ahead of the 5th Annual TowerXchange Meetup Africa & Middle East coming up on 3-4 October 2017 in Johannesburg, TowerXchange take a deep dive into the MEA region, exploring the current appetite for passive infrastructure equipment and services in 30 countries.

Our detailed guide condenses months of interviews and market studies to provide you with the most comprehensive overview of where the key opportunities lie for the supplier ecosystem.

Read this report to learn:



Where the volume of new build will be highest across MEA



Countries, MNOs and towercos requiring significant investment in cell site energy



Country-by-country requirements for site upgrade and turnkey infrastructure services



Where the most imminent opportunities exist for small cells and DAS deployment



Expected investment in RMS, access control and site management systems



Who are the leading MNOs and towercos in each country

To connect with MNOs, towercos and I&C firms leading procurement activities, join us this October at the **5th Annual TowerXchange Meetup Africa & Middle East**; MEA's most concentrated audience of buyers of passive infrastructure and equipment.

- 47% attending companies procure infrastructure equipment and services
- Invite-only, buyer-led technology working groups to inform product development and sales forecasts
- MEA's only dedicated telecom passive infrastructure exhibition
- Exposure to a database of 35,000 tower industry professionals

Contact Annabelle Mayhew, Chief Commercial Officer to learn more about how to get involved





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Demand forecasts: telecom infrastructure in MEA

Vendor opportunity matrix	Energy	RMS, ILM and access control	Tower manufacture	Turnkey infrastructure	Small cells, microcells, DAS and IBS*	Advisors	Towercos	MNOs
Algeria	Low	Medium	High	High	Low	Low	None	Djezzy
	6 companies to l having launched modest number strengthening as generators and Djezzy had look	O towers split between the build 1,400 new sind a tender in Dece of sites. 4G rollowed work with low diesel could be at a tower sale, actions in the near	per year or to deploy a onal tenants, with very few ed. Whilst		Mobilis (Algeria Telecom) Ooredoo			
Angola	Medium	Medium	High	High	Low	Medium	Antosc	Unitel
2	an additional 1,1 the potential for investment). Are assessing solar h their sites, thus	000 towers and More and More site build is bound 85% of sites by brid solutions. More solutions.	ovitel around 2,000 high (although cha are operating with Movicel has started lities for towercos	et coverage require 0, plus with a new allenging macroece n diesel generators d to explore the por and transaction ac	MNO expected to conditions and Unitel are curential monetisations.	enter in 2017, are slowing crently on of some of		(Plus Angola Telecom holds a license)
Bahrain	Low	Low	Low	Medium	Medium	Medium	None	Batelco
	a total of 400 tov study into how k underway but w see a future trar	with just 1,500 tovers could effective could effective consolidate with Zain looking the neaction from the neration and back	FP for a le processes ahrain could		Movitel (Plus Angola Telecom holds a license)			

Vendor opportunity matrix	Energy	RMS, ILM and access control	Tower manufacture	Turnkey infrastructure	Small cells, microcells, DAS and IBS*	Advisors	Towercos	MNOs
Burkina Faso	along with satel the market follo 50% of the coun	lite backhaul in on the acquisit try's towers are o	Low Tral areas and with rder to improve co ion of Airtel's sites ff-grid and Eaton a of 60 solar sites the	overage for much of s (prior to Airtel se are known to be as	of the population. I lling their opco to sessing renewable	Eaton entered Orange). Over e energy options,	Eaton	Orange Telecel Telmob (Onatel)
Cameroon	conservative alth High IHS own or mar	Low nage the majority	Medium of Cameroon's tow	Medium vers having acquir	ew base stations (a Low ed MTN's portfolio	Low and entered	IHS	CamTel MTN Orange
×	Nexttel in early MTN secured a Nexttel aims to further co-locate Declining grid a	2013 increased co US\$96.6mn loan i launch 4G in 2017 ions. Around 25% vailability means	se' (MLL) arranger ompetition and pro n December 2016 i '. IHS has also secu of sites are off-gri back-up power is a o deploy more acro	ompted MTN and (indicating further ared contracts with d with about a thing high priority for	Orange to invest in investment is to be a CamTel and Afrir rd of these relying on-grid sites. IHS	their networks, e expected and max so expect on solar.		Nexttel (Viettel)
Chad	power issues, To the country. Air being cancelled	o address power is tel had previously because of an uni	Low ers in Chad, a coursessues, Millicom has y agreed the sale of favorable regulato n the country after	s recently signed a f their towers to H ory environment. (n agreement with elios prior to the to Orange are reporte	an ESCO in cansaction dly looking at	None	Millicom Airtel Sotel

Vendor opportunity matrix	Energy	RMS, ILM and access control	Tower manufacture	Turnkey infrastructure	Small cells, microcells, DAS and IBS*	Advisors	Towercos	MNOs
Congo B	Medium	Low	Low	Medium	Low	Medium	Helios	Airtel MTN
	rollout expected have a very low Tanzania, Congo deploy such tech	l in 2017. Orange market share and Brazzaville and hnologies at 380 s	vers, of which Helio thad attempted to a ad may have their li the DRC which are sites during 2017. V he sites up to standa	acquire Airtel's ope cense stripped. He candidates for hy Vith towers still to	to but the deal laps lios have identifie brid technologies	sed, Bintel d 1,200 sites in with plans to		Bintel
Côte d'Ivoire	Medium	High	High	High	Low	High	IHS Pan-African	MTN Orange
	IHS own or manage a portfolio of 2,429 towers, having acquired sites from MTN and entered into an MLL arrangement with Orange. Orange are known to have an aggressive plan for new site build in 2017 and number three operator Moov are also looking to expand their portfolio of 800 sites, proposing the addition of 200 sites in 2017. With IHS having reportedly expressed little interest in a BTS contract from Moov and also Orange, it opens the market up for other parties. The regulator has recently awarded a fourth operating license to LPP (after the revocation of four MNO's licenses in 2016); LPP assume ownership of the 400-500 sites owned by the previous operators and with significant parallel infrastructure will need to undertake a degree of decommissioning. Overall estimations suggest that the market needs a further 2.000 towers to be added between all operators within the next three years. MTN have almost finished 4G rollout, with Orange yet to start, LPP will need to start to deploy their network in 2017 and are expected to use Moov and IHS' sites, although Moov do not have experience of commercialising their sites to date. With regards to power, Orange stated that diesel accounted for 36% and grid 64% of total energy costs in the country. IHS has 110 solar hybrid sites and continues to rollout more across its portfolio. One of the MNOs which had a license revoked had started discussions regarding a tower sale and there exists the potential that LPP (and potentially Moov) could consider such a strategy.							Moov LPP

Vendor opportunity matrix	Energy	RMS, ILM and access control	Tower manufacture	Turnkey infrastructure	Small cells, microcells, DAS and IBS*	Advisors	Towercos	MNOs
DRC	Orange - and Air highest number next five years, off-grid with por US\$100mn+ into of that; the towe in the country wat 150 sites duri acquired sites, so deployment, low Africa Mobile Nakes site access	rtel sites), the countries of SIMs per tower extensive investment were being 2.5x means are being 2.5x means deployed which they think are 2017. The companying signification of the contries in order tworks is deployed to the contries of t	High os own 1,832 follow ntry needs a double r in the world and nent is required. On ore expensive in re nd improvement ca 51 solar sites in the suitable candidate pany will be on a re ent spend. Vodacor er to address the per ing 750 solar power derscoring the imputes.	ling of its existing an estimated 15-20 utside of the three ural areas. Helios hapex, with reducing the country, and haves for the technological or drive to increase are currently woor geographical cered towers in rura	tower stock. With a common users coming main cities almost anave committed to g diesel usage being and play to depease co-locations corking on deploying overage in remote al areas. Poor road	one of the online in the tall sites are investing ng a big part her 400 sites loy systems on its newly g many rapid areas, whilst	Helios	Africell Airtel Orange Supercell Tatem Telecom Vodacom
Egypt	High Medium High High Medium Medium Egypt has over 20,000 towers split fairly evenly between the three MNOs. Infraco licenses have been awarded to Alkan, Mobiserve, EEC and HOI-MEA with only the latter reporting an owned portfolio of sites. 4G licenses were awarded to the three MNOs and Telecom Egypt at the end of 2016 with rollout expected this year. With one of the highest number of SIMs per tower in MENA, new build in addition to tower strengthening will be required, a task MNOs are keen to pass on to towercos. High data usage in urban centres will also likely necessitate small cells and DAS for urban infill. Grid connection is slow and expensive in Egypt so diesel generators are widely used, with the high load meaning that as many as three DGs can be required per site. The case for renewables will be boosted as fuel subsidies removed, and solar-hybrid trials are currently underway in the Delta region.							Orange Etisalat Vodafone Telecom Egypt

Vendor opportunity matrix	Energy	RMS, ILM and access control	Tower manufacture	Turnkey infrastructure	Small cells, microcells, DAS and IBS*	Advisors	Towercos	MNOs
Gabon	and cellular cov on grid, 30% off	erage, Gabon is o egrid and 20% are	Medium s, most of which ar ne of SSA's most pr e on bad grid wher SA's, largest ESCO of	rogressive markets e more than 6 hou	s. 50% of sites in the rs of power is not	ne country are usable. Energy	None	Gabon Telecom Moov Airtel Azur
Ghana	energy equipme	ent for over 400 si	Low	Low	Medium	High	American Tower	MTN
*	74% of the country's 6,000 sites are owned by towercos and with strict regulation governing new build, fewer than 100 greenfield sites will be added in 2017, but expect co-location growth to continue. Requirements for densification as 4G rollouts continue may neccessitate regulatory changes thus opening up new build activity and shared DAS will grow with American Tower currently operating 18 DAS sites in the country. Grid connection is good by SSA standards with one towerco reporting that just 3-4% of sites are off-grid and another reporting reductions in diesel usage in 2016 due to improved availability (which is trending towards 20 hours a day). The introduction of new tariffs has caused electricity costs to skyrocket, meaning it can actually be cheaper to run on generators in some instances. The business case for solar and hybrid solutions is strengthening and deep cycle batteries are being widely deployed. Airtel and Tigo have announced plans to merge which, if approved, will lead to decommissioning of overlapping Helios and Eaton sites.						Eaton Helios	Vodafone Airtel Tigo Glo Expresso Surfline Blu Busy
Iran	Medium	High	Medium	High	Medium	Medium	Iranian Towers Fanasia	MCI MTN
Ф	companies. New MCI and Rightel sites and rollout look to share in focus as towers	vly formed towerd lare shareholders t 2-3,000 new ones frastructure. The	been lifted in 2016 to, Iranian Towers alongside domest s. Extensive decomprid is widespread werco hands, this crms.	- in which number ic towerco Fanasia missioning is also and reliable in Ira	r one and number a, plans to replace expected across In an but energy effic	three MNOs towers on 400 can as the MNOs ciency is a key	ranasia	Irancell Rightel MTCE Taliya TKC

Vendor opportunity matrix	Energy	RMS, ILM and access control	Tower manufacture	Turnkey infrastructure	Small cells, microcells, DAS and IBS*	Advisors	Towercos	MNOs
Iraq	citing a need to two generators no infrastructur	almost double the with an appetite are sharing to date	eir stock of 3,600 si amongst operators but the governme	ites, The vast majo to look at hybrid s nt is proposing en	Medium g is required with Frity of sites have a solutions. There has forcing it, especially in-building solutions.	t least one, if not as been little to ly as 4G rollout	None	Zain Asiacell (Ooredo) Korek Telecom
Kenya	intermittent nat known to be ass the market follo of their 1,000 sit expect extensive emerge, althoug	ture of power, all of the sessing different receiving the acquisites, with both Amore upgrade work. It is notational to the second control of the second c	on-grid sites have lenewable solution ion of Airtel's sites erican Tower and lend addition to Eaton	back-up generator is and broadening is and Telkom Keny Eaton in the runni in, several other but allenging. Around	High third are off-grid. s or batteries with their supply base. a are have initiation ng. Following the a tild-to-suit towerco 500 buildings are DAS networks.	Safaricom Eaton entered ed the sale acquisition, as are starting to	Eaton SEAL Towers	Safaricom Telkom Kenya Airtel
Kuwait	infrastructure c announced in Q site managemer Kuwait position	reates decommiss 2 2017 and the tra nt systems from th ed to be one of the	sioning requireme ansfer of sites will ae new owners. Za	nts. The sale of Za likely elicit expen- in are currently ex this field and sma	High and a high degree in's 1,600 sites is ex diture on energy exploring 5G in the soll cells and DAS ho	xpected to be fficiency and market, with	None	Zain Ooredoo Viva (STC)

Vendor opportunity matrix	Energy	RMS, ILM and access control	Tower manufacture	Turnkey infrastructure	Small cells, microcells, DAS and IBS*	Advisors	Towercos	MNOs
Madagascar	High	Medium	Medium	High	Low	Medium	TowerCo of	Telma
	TowerCo of Mac forecasting it we deploying 4G we Power is a majo piloting different to be off-grid, we couldn't compe	Madagascar	Airtel Orange Blueline					
Mozambique	Medium	Medium	Low	Medium	Low	High	None	mCel Movitel
	Viettel owned M Vodacom to add with just 20-30 s fibre rollout. W and the majorit 1,200 sites but a to deploy a good In the absence of cause challenge		Vodacom					
Namibia	Medium	High	Medium	High	Medium	Medium	Powercom	MTC
	sharing in the c than tower buil be replaced). W hands of a dedi- improved NOC.	elecom sector is in ountry. Such a chading (although son hat's more, the chated infrastructu Whilst the grid is essing renewable	er demand ill need to ers into the ystems and an		Telecom Namibia Paratus			

Vendor opportunity matrix	Energy	RMS, ILM and access control	Tower manufacture	Turnkey infrastructure	Small cells, microcells, DAS and IBS*	Advisors	Towercos	MNOs
Niger	High	Medium	Low	Medium	Low	Low	Eaton	Airtel
	sites, Niger is of thus necessitate with Eaton exact the company h	characterized by a ting solutions to pr amining renewabl nas inherited) and	aton Towers' also had high and high rovide low cost cover e energy options (in Orange issuing an lay conservative althory	n percentage of the erage. Over 50% of ncluding the repair RFP for an ESCO. N	e population living f the country's tov r/ replacement of New build require	g in rural areas, vers are off-grid 200 solar sites ment in the		Moov Orange Sahelcom
Nigeria	High	Medium	High	High	High	High	IHS American Tower	Airtel 9mobile
	Africa's larges IHS own over it sites as well as portfolio. Follo again by mid 2 country. 75% of The first phase generators wit the second pha diesel generator and sigificant if in meeting esc	Communication Towers Nigeria BCTek Engineering	Globacom MTN Smile Bitflux InterC Network ntel Spectrane					

Vendor opportunity matrix	Energy	RMS, ILM and access control	Tower manufacture	Turnkey infrastructure	Small cells, microcells, DAS and IBS*	Advisors	Towercos	MNOs
Oman	Low	Low	Medium	Medium	Medium	Medium	None	Omantel
米	first phase of v	which governing 2 award of a third of astructure sharing	project to bring con 00 new base statior operating license wi g will reduce the nu	ns is set to be comp ill also increase de	leted by the end o mand for new roll	f Q1 2017. out, although		Ooredoo
Rwanda	Medium	Low	Low	Medium	High	Low	IHS	MTN
	small market, company has i supply the gric sites and so pr of the stronges	major focus is on on the number of the number of the number of the number. IHS ocurement in this	tes in Rwanda havir consolidation but so a power systems on has already investe area is not a priori I cells and DAS mak shared DAS.	ome BTS activity is its sites already but the din state of the arty. Of all the SSA re	coming up for the at is looking into a t monitoring syste egions, Rwanda is	e towerco. The solar farm to ems across its showing some		Tigo Airtel KT Rwanda Networks
Saudi Arabia	Medium	High	High	High	High	High	None	Saudi
	in order to bris 1,000-2,000 ner three MNO Zai after having prothe towers foll and Mobily we currently reason	ng >10MB broadba w sites are estimation is in exclusive na reviously entered owing an acquisite ere in the process sesing their option ategies to bring th	coverage an addition and coverage to runted to be required as a point of forming a joint voice. OPEX costs on Si is down. Energy do means of optimising	ral areas by 2020. It o meet growing date consortium involving tiations with TASC and number two Menture to manage TC's site are knownes not present a metal constant in the c	n addition to this, ita usage in urbaning Towershare an Towers; expect in NOs, Saudi Telecontheir tower portfoln to be high with tajor challenge in S	a further areas. Number ad IHS Towers vestment in m Company lios, but are he operator		Telecom Company Mobily Zain

Vendor opportunity matrix	Energy	RMS, ILM and access control	Tower manufacture	Turnkey infrastructure	Small cells, microcells, DAS and IBS*	Advisors	Towercos	MNOs
Senegal	Medium Market leaders 3 3,300 sites. New Telecom's 450 si loose further too be required. Exp colocation. AKT' tower manufact	Al Karama Towers	Sonatel Millicom Expresso					
South Africa	After having sol 600-800 towers past four month of Eaton Towers subdisiary Gyro pursue co-locati Small cell shipm country. Unlike equipment is low one operator kn	d their towers to a per year for the notes outstripping nu south Africa. Tell Towers which is cons with over 400 nents to South Africather SSA countries wer, although ene- cown to also be look	High ding their network American Tower, Context five years, number one towercon kom have recently aggressively pursues to potential tenants ica have been high es, the majority of the gray efficiency and oking at fuel cells. So we for the time between their properties of the time between their properties of the time between their properties. So we have the time between their properties of the time between their properties of the time between their properties.	cell C are rebuilding ther two towerco A American Tower, spun out their towing colocations. Volume to the large number of the sites are on reliable battery storage ar Speculation about	g their network of atlas Tower built 6 which is digesting wers into a new who dacom and MTN sumber of ISPs in the appetite for deposite grid and so demonstrate the potential future.	Esites adding 2 sites in the the acquisition holly owned similarly he market. doyment in the hand for energy ortance, with re sale of MTN's	American Tower Atlas Tower Eagle Towers Blue Sky Towers Pro High Site Communications Coast to Coast Comco	Vodacom MTN Cell C Telkom

Vendor opportunity matrix	Energy	RMS, ILM and access control	Tower manufacture	Turnkey infrastructure	Small cells, microcells, DAS and IBS*	Advisors	Towercos	MNOs
Tanzania	~7,600 towers, a poised to enter to could very well access control sy to be added in the solar hybridisate per site and have are candidates for Airtel have 50 so rooftops having	Ithough significar the market with the return to market. systems and so exp the next 2-4 years. tion. Helios set up the identified a furth for hybrid technologiar sites amidst the batteries. With a	nt decommissioning acquisition of A Airtel's sites are in ect investment. The 70% of the country four pilot sites for her 1,200 sites in Togies with plans to heir portfolio of 15	Medium eir portfolio Helios ag is planned. While irtel's sites, the dea n need of modernia ne country needs a y's sites are on-grie hybrid technologi fanzania, Congo Bro deploy such technologi odeploy such technologi se, Tanzania is a ge to be deployed.	st American Toweral is now off; althorsation, lacking sopen estimated 2,000-d, but conditions are at an average corazzaville and the landogies at 380 site reliant on generators.	r had been ugh the towers histicated 3,000 new sites re conducive to ost of \$12,500 DRC which s during 2017. ors with a few	Helios	Vodacom Millicom Zantel Airtel Viettel Smart TTCL
Uganda	High	Medium	Medium	Medium	Low	Medium	American Tower	Africell
\$	was 17% between sites. Eaton Townew build. With costs in the court with about half lots of investments.	en 2012 and 2014 iters and Americar a eight MNOs, cons atry are high (app of new build bein ant is going into hy	but has since slower Tower are present solidation is likely, croximately double g off-grid, grid out brid solutions. Uga	be added to Uganded to 10% as MNOs at in the market and which may lead to those in Ghana). A tages are common, anda is Eaton's only change this. DAS de	s opt for co-location d are handling the decommissioning Around 27% of site even in Kampala, y market without s	n on existing majority of g. Maintenance es are off-grid, meaning that significant RMS	Eaton	Airtel i-Tel MTN Smart Smile UT Mobile Vodafone (Afrimax)

Vendor opportunity matrix	Energy	RMS, ILM and access control	Tower manufacture	Turnkey infrastructure	Small cells, microcells, DAS and IBS*	Advisors	Towercos	MNOs
Zambia	High	Low	Medium	Medium	Low	Low	IHS	Airtel
	The towerco pla hybrid solutions Huawei are roll bid to improve	in which IHS havens to become dieses are to be expected ing out the first 40 cural coverage. The estment in network		MTN Zantel Econet NetOne				
Zimbabwe	High	High	Low	High	Low	Medium	Ecotowers	
	between private as little as 12 ho upgrade work, l process of form	mandating infrastely owned Econet about a day so even both on the structions their own ESC as also created an in		NetOne Telecel				

^{*} Vendors of small cells, microcells, DAS and IBS should note that TowerXchange are characterising demand for such solutions relative to other countries in MEA, as opposed to in comparison with the rest of the world. So for example when we characterise demand as high in South Africa, we mean South Africa is one of the most attractive markets in MEA, not that South Africa has demand comparable to the USA, for example.



Gain detailed insight into specific MNO and towerco procurement plans

at the **TowerXchange Meetup Africa & Middle East** Johannesburg, 3 - 4 October 2017

An invitation only event for the top 300 executives in MEA telecom towers, join the region's most focussed gathering of passive infrastructure buyers

Confirmed participants include: Airtel, Antosc, Atlas Tower, Blue Sky Towers, Cell C, Econet Wireless, Eaton Towers, Energy Vision, Fanasia, Gyro Towers, Helios Towers Africa, ieng Group, IHS Towers, Iranian Towers, Korek Telecom, MCI, Moov, Moropa Telecommunications, MTN, NETIS, NetOne, Ooredoo, Orange, Powercom, RPS Services, Safaricom, SWAP Technologies & Telecoms, TASC Towers, Tigo, TOTAL, Towershare, Uppercrest, Vodacom, Zain

- Network in 60+ focussed discussion groups of 15-20 executives
- Showcase your products and services at the co-located exhibition
- Access focussed working groups on cell site power
- Pre-arrange one-to-one meetings with key prospects
- Align your brand with the biggest names in towers
- Secure an interview in the TowerXchange journal, read by over 35,000 tower industry professionals worldwide

The TowerXchange Meetup Africa & Middle East sells out every year!

Visit www.towerxchange.com/meetup/meetup-africa/ for more information and register your place today



Five key reasons to sponsor and exhibit

1

47% of attendees represent companies who buy passive infrastructure equipment and services

From energy equipment and remote monitoring systems to deployment and legal services; connect with a highly qualified network of potential clients

2

Hosting a roundtable and invitation to VIP working groups provides a direct and structured introduction to a core client base

Let us break the ice for you and connect you directly with your top prospects

3

Align your brand with the most respected companies in global towers

The biggest names use TowerXchange to raise their profile, position your business alongside them 4

Benefit from a pre-event briefing, one-to-one meeting scheduler and use of on-site meeting rooms to use your time most efficiently on-site

Turn up prepared with your event plan laid out in advance – arrange back-to-back meetings with identified prospects 5

Your company profile and interviews will be read by 35,000+ industry professionals

So much more than on the day, sponsoring gives you the opportunity to appear in the TowerXchange journal, the go-to source of information for the global tower industry



Testimonials

"If you want to circulate with industry contacts in the tower industry, this is a great forum, with focused and directed effort to network. Superb for my first experience and strongly recommended"

CEO, NETIS

"The event in the telecom tower business for the African continent"

Network Supply Chain, Vodafone Procurement Company

"A great and rare moment in industry life where an active actor can return home with the feeling of having achieved half a year's work in terms of learning, benchmarking and assessing new solutions and suppliers. The event brings together the industry to aid the sector in reaching a high level of operational excellence and efficiency"

Director, M&A Capital & Executive Board Member, Al Karama Towers

How to get involved

A whole range of opportunities exist to leverage the TowerXchange Meetup and community for your business development and marketing goals.

To discuss the options available and how to tailor these to your specific goals, contact:



Annabelle Mayhew Chief Commercial Officer amayhew@towerxchange.com

Meetup Africa & ME 2017 | 3-4 October, Sandton Contre, Johannesburg

3-4 October, Sandton Convention



By invitation only: restricted to Director, VP and C-level attendees. Maximum of 2 delegate passes per company except for MNOs, towercos and sponsors

Benefits			Delegate pass	Exhibitor	Bronze Sponsor	Silver Sponsor	Gold Sponsor	Platinum Sponsor	Diamond Sponsor
Access to TowerXchange Meetup			1 pass	1 pass	1 pass	2 passes	3 passes	4 passes	5 passes
Daytime Catering			V	V	V	V	V	V	~
TowerXchange Roundtable interactions			V	V	V	V	V	V	V
Video on TowerXchange TV		×	~	V	V	V	V	V	
10ft x 10ft Turnkey booth		×	~	V	~	~	~	V	
Logo on backdrop, signage, fliers & invites for TowerXchange Meetup		×	×	V	~	V	~	~	
Your choice of bronze sponsorship benefit		×	×	V	×	×	×	×	
Your choice of silver sponsorship quality benefit		×	×	×	V	×	×	×	
Your choice of gold sponsorship premium benefit		×	×	×	×	V	×	×	
Your choice of platinum business-class benefit		×	×	×	×	×	~	×	
Your choice of diamond first-class benefit		×	×	×	×	×	×	~	
Roundtable host	Panel moderator	Technology Evaluation working groups							

There is limited availability for roundtable hosts, panel moderators and inclusion on the Technology evaluation working groups please contact amayhew@towerxchange.com to learn more

Bronze, Silver, Gold and Platinum Sponsorship Benefit Options - Bespoke packages can be created on request

Bronze Sponsorship

Stationary sponsor (provided by client) Gift drop (provided by client) Drinks coaster sponsor (provided by client) Business card wallet (provided by client)

Silver Sponsorship

Totes Bags (provided by client) Sponsorship of coffee break day two pm Sponsorship of coffee break day two am Sponsorship of coffee break day one am Sponsorship of coffee break day one pm

Gold Sponsorship

Sponsorship of breakfast (Open) day one Sponsorship of breakfast (Open) day two USB sponsor (provided by client) - SOLD Lanyards (provided by client)

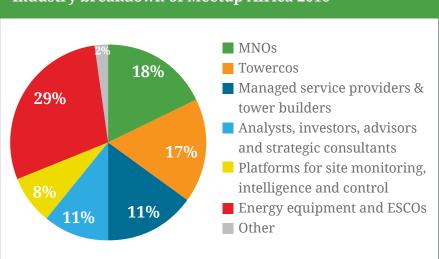
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Diamond Sponsor

Sponsorship of Drinks Reception Sponsorship of Networking Dinner

Industry breakdown of Meetup Africa 2016



^{*} Discounted rate available to Towercos, Government and Regulator representatives, 100% discount for qualifying Director - C-level execs from Operators

TowerXchange's who's who in passive equipment and services

Welcome to the TowerXchange who's who, a kind of vendor directory with personality! Over the last three years we've interviewed over 202 business leaders from innovative passive infrastructure equipment and service providers. By popular demand, here we categorise those profiles, with each company name hyperlinked to our exclusive interviews. If you would like to be included in the TowerXchange who's who, read by over 35,000 industry professionals, contact Annabelle Mayhew, Chief Commercial Officer amayhew@towerxchange.com

Enorgy	aminm	ant and	ECCO _c
CHEIGY	equipin	ent and	ESCUS

4energy

Ascot

Ascot hybrid

Ascot & Makasa Sun

Apollo Solar

Apollo Solar on Africa

AST (Applied Solar Technologies)

AST case studies

Ausonia

Ballard

Ballard CALA

Beijing Dynamic Power

Bergey Windpower

Bladon Jets

Bladon Jets revisited

Camusat

CCE

CCE EMSaaS case study

Controllis

Cummins

DAOS Europe

Delta Electronics

Eltek Africa

Eltek APAC

Eltek CALA

Eltek on ESCOs

Emerson Network Power

Enatel SYNERGi

Enatel

Energy Vision

Enertika

FG Wilson

FG Wilson opex-busters!

Flexenclosure

Flexenclosure Myanmar

Flexenclosure Myanmar, part two

Gen Power

Heliocentris

Heliocentris hybrid solutions

Huawei energy intelligence

Huawei Network Energy

IPS

IPT Powertech

IPT Powertech T-ESCO

Mecc Alte

Orun Energy

Pace Group

Panasonic

Perkins

PowerOasis

PRAMAC

ReliOn

Schneider Electric

SDMO

SEDEMAC

Solar BK

SUNCO

SunEdison

Total

TSi Power

Turbina

UGE (Urban Green Energy)

Unipower

ZTE

Energy storage

Amara Raja

Aquion Energy

Coslight India

EnerSys

TowerXchange's who's who in passive equipment and services (cont.)

Is your company not included in our Who's who? Would you like to suggest additions? Please email amayhew@towerxchange.com

EnerSys	Africa
LHCIOVS	Allica

EnerSys optimise cyclic use

Exide Technologies

Flexenclosure on batteries

Fluidic

GE Energy Storage

GILDEMEISTER

GS Yuasa

Imergy

NorthStar

Redflow

Saft

Trojan Battery Company

Site monitoring and management

Accruent

Accruent on globalisation

Accruent's SaaS

Accruent site management

AIO Systems

AIO Systems Asia

AIO Systems CALA

AIO Systems Nigeria

azeti Networks

azeti Networks on site protection

Broadnet Telecom

Caryon Development

Codefish

ConnectM

Digant Technologies

FieldForce

Flexenclosure eManager

Flexenclosure on fuel monitoring

Galooli

Galooli fuel monitoring

HMS Industrial Networks

Inala SAM

Inala Infrastructure Intelligence

Infozech

Infozech 'Discipline of Action'

Infozech India and Myanmar

Infozech on use of data

InfraSTAT

Invendis

Invendis Africa and Asia

Jabil Inala

NAAP Global Solutions

Nexsysone

Nexsysone Africa

Nexsysone network management

Qowisio Long Range Technologies

Qowisio goes wireless

Quintica

Tarantula

Tarantula Asia

Tarantula Europe

Tarantula process optimisation

Tarantula shared infra

Telemisis

Telemisis and Jabil Inala

Treefrog

WebNMS

Westell Africa

Westell CALA

ZNV

Access control, Health and Safety

Abloy

Abloy Africa

Abloy CALA

Acsys

Acsys on access control

Acsys on SLAs

Acsys mobile app

Acsys productivity

Acsys efficiency

AKCP

Capital Safety

EMSS Consulting

Karam

LockedUp

TowerXchange's who's who in passive equipment and services (cont.)

Is your company not included in our Who's who? Would you like to suggest additions? Please email amayhew@towerxchange.com

Construction, O&M and managed services

4site

ADNA

AJ Ingenieros

Alifabs (now CommScope)

Alkan CIT

Ardom Telecom

Camusat

Camusat East Africa

Camusat Myanmar

CLEARGOL

COTECH

EEC Group

Ericsson

Ericsson Nigeria

Ericsson Managed Services

Everest Engenharia

Grid Rental Sites

GSMTOWERS turnkey

Huawei Managed Services

HOI-MEA

i engineering

IPT PowerTech

Jtel

KGP Logistics

Leadcom

Leadcom CALA

Leadcom Myanmar

Lemcon Americas

Likusasa

Likusasa Mozambique

Mer Group

Mer Group CALA

Mer Group Ghana

Mer Group low cost sites

Mobiserve

NETIS

NETIS Ghana

NETIS workforce

NEWL

Orissa Wicomm

Planex

Plessey

Reime Group

Sagemcom

TES

ZTE

Structural engineers, rooftops, masts, towers and accessories

Aerolens

Ambor Structures

ASE Structure Design

Calzavara

Cue Dee

Delmec

Elektroskandia

Ganges Internationale

Ganges total tower solution

Geostrut

GSM Telecom Products

GSM Telecom Products Myanmar

Intelli Towers on costs

Intelli Towers on evaluation

Intelli Towers on strengthening

Leadcom on strengthening

Le BLANC

Metalogalva

Mott MacDonald

NANHUA

Orion

Ramboll

Sabre Industries

Sierra Tower Partners

Solaris Technologies

SPTDI

TIA Telecom

TKM Maestro

TNX

Valmont Site Pro 1

VNTower

Zamil Infra



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Connect with us today and discuss available opportunities for our Meetups across Africa, Asia, Europe, Americas and China! Exhibiting or sponsoring at TowerXchange Meetups is the best investment you can make to showcase your products and expertise in front of the global telecom tower industry.

Email Annabelle Mayhew, CCO, at amayhew@towerxchange.com today to find out more.

TowerXchange Meetup calendar



TowerXchange Meetup Africa & ME 2017,

October 3-4, Sandton Convention Centre, Johannesburg

TowerXchange Meetup Asia 2017,

December 12-13, Marina Bay Sands, Singapore

TowerXchange Meetup Europe 2018,

April 17-18, Business Design Centre, London

TowerXchange Meetup Americas 2018,

June 20-21, Boca Raton Resort & Club, Florida

Visit our website at www.towerxchange.com

With special thanks to the TowerXchange "Inner Circle"

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Alexander Chub President Russian Towers

About TowerXchange

Founded in 2012, TowerXchange is your independent community for operators, towercos, investors and suppliers interested in EMEA, CALA and Asian towers. We're a community of practitioners formed to promote and accelerate infrastructure sharing. TowerXchange don't build, operate or invest in towers; we're a neutral community host and commentator on telecoms infrastructure.

The TowerXchange Journal is free to qualifying recipients. We also provide webinars and regular meetups. TowerXchange monetises this community through hosting annual Meetups and the sale of advertising, without compromising editorial integrity.

TowerXchange was founded by Kieron Osmotherly, a TMT community host and events organiser with 21 years' experience, and is governed with the support and advice of the TowerXchange "Inner Circle" – an informal network of advisors

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