

TAILWIND

The logo features a stylized aircraft tail fin in blue and yellow, positioned to the left of the text.

SOLUTIONS LIMITED

"PUSHING YOU FORWARD"



KCAA AMO : K/AMO/079

**COMPANY PROFILE
WITH CAPABILITY
DECK**

ADDRESS

2nd Floor Filmico Building,
Dar-es-salaam Road,
Industrial Area,
Nairobi, Kenya
P.O. Box 45472-00100.

www.tailwindafrica.com

"AVIATION IS MY PASSION" - KARAN PATEL

Founder and Director - Karan Patel has immense respect for aeroplanes. Since its founding in 2019 - Tailwind Solutions Ltd has a vision to become the leading supplier of Aerospace standard Non Destructive Testing services, chemicals, tools & spare parts.



Proudly approved agent/distributors



"PUSHING
YOU
FORWARD"

Ardrox[®]



**RED BOX
TOOLS**
www.redboxtools.com



**Cessna
Authorized
Independent
NDI Facility**

APPROVED AMO Cert No. K/AMO/079



BASF
We create chemistry

East Africa's authorised distributors for CHEMETALL GmbH

Chemetall
expect more⁺



www.tailwindafrica.com

INTRO



Founded by Licensed Aircraft Engineer Karan Patel, Tailwind Solutions Limited was incorporated in 2019 and is an independently owned Limited company. Our founder holds an EASA B1 and KCAA Cat. 'A' and 'C' Licenses with type ratings and is a Certified NDT Level II Inspector.

Our team possesses the skills, talent, drive and knowledge for success in:
ADVANCED NON DESTRUCTIVE TESTING SERVICES & CONSULTANCY FOR AEROSPACE AND GENERAL INDUSTRY WITH RELATED SALES OF SPARE PARTS AND SPECIALISED CHEMICAL CONSUMABLES.

With over 35 years of experience in aviation maintenance

We provide our services remotely or from our fully equipped laboratory/facility based in the heart of Nairobi's Industrial Area because easy logistics makes a big difference to turnaround time, we take pride in giving you a customer orientated approach, focusing on getting the Job done 'Right First Time', to the highest quality standards, both ON TIME and ON BUDGET and always aiming to exceed your expectations

Our reputation stands in providing high quality NDT services to all industry sectors across Africa, because your safety is important to us.



ABOUT US

OUR MISSION

Our Mission is to deliver a value providing service of world class Non-destructive Testing, training and consulting. An overall quality service resulting in actively reduced loss making scenarios resulting in improved asset utilisation solutions with minimum downtime.

OUR VISION

To be the centre of excellence and preferred partner for NDT Training and Services and to be among the most reputable Aerospace and Industrial NDT Service providers in Africa

OUR VALUES



TRANSPARENCY

Working with us can help you get work done efficiently, in time and right the first time.



PASSION

Our love for aviation is complemented by our knowledge of aviation safety and its importance.



ACCOUNTABILITY

We enforce our high quality standards of inspection and we provide detailed reports and certificates.



VALUE-CENTRIC

We "strive not to be a success, but rather to be of value" - Albert Einstein

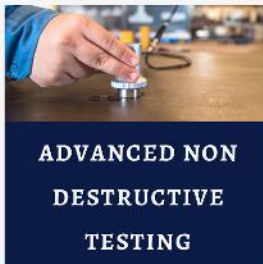
WHAT WE DO

TSL operates in the capacity of an Approved Aircraft Maintenance Organization (Cert No: K/AM0/079) from the Kenya Civil Aviation Authority (KCAA).

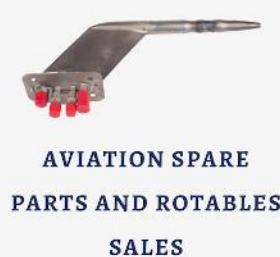
Quality Programs, Accreditations & Services

TSL aviation inspection personnel have extensive experience in both military and commercial aircraft. They are trained and certified to the highest standards. All aviation inspection certification and/or training records are available for review.

- ISO 9001
- KCAA AMO No. K/AM0/079
- CESSNA AUTHORIZED INDEPENDANT NDI FACILITY
- NDT PCN & ASTM Certificates
- EN 4179/NAS 410 QUALIFIED PERSONNEL



Ardrox®
**MAINTENANCE
CHEMICALS &
CONSUMABLES**



TSL PROVIDES THIS RANGE OF SERVICES FOR THE BELOW INDUSTRIAL SECTORS:



OUR CUSTOMERS

OUR FAMILY

"The sole reason we are in business is to make life less difficult for our clients." - Matthew Odgers



APPROVED AEROSPACE SERVICES

Quality that is non-negotiable

Approved by:



On-Wing Services | In Shop Services | Engine Inspection | Structural Inspection

Liquid
Penetrant

Magnetic
Particle

Ultrasonic
Testing

Eddy Current
Testing

Borescope
Inspection

Bond
Testing

APPROVED AEROSPACE CONSUMABLES

- Degreasers
- De-Carboniser
- Aircraft wash soap
- Cabin Disinfectant
- Corrosion Inhibiting Compound (Dinitrol)
- Paint Remover
- Compressor/Turbine Wash
- Engineer hand-soap
- Aluminium Deoxidiser/Cleaner



AUTHORIZED DISTRIBUTOR



INDEPENDANT AND IMPARTIAL TESTING

Our NDT services are not only dedicated to Aerospace.

Our services are packaged around your assets and production. Our NDT applications are **endless**, but a summary of the applied technologies can be found below.

STANDARD TESTING METHODS

Liquid Penetrant	Magnetic Particle	Ultrasonic Testing	Eddy Current Testing	Visual Testing	Radiographic Testing
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ADVANCED TESTING METHODS

- Ultrasonic Phased Array (PA)
- Long Range Ultrasonic Testing (LRUT)
- Automatic Ultrasonic Testig (AUT)
- Infrared Thermography
- Remote Visual Inspection
- Hardness Measurement
- Leak Testing of pipelines and tanks
- Magnetic Flux Leakage (MFL)
- Submersible Robotic Tank Inspection

EXAMPLE APPLICATIONS

- ASME Pressure Vessel and piping as-built inspection
- Fabrication inspections during and after manufacturing
- Corrosion Monitoring
- Fuel Storage Tank Assessment
- Shutdown Inspections
- In-service Tanks inspection



AUTHORIZED

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We create chemistry

Chemetall
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Authorised Distributor

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Tools

- AVIONICS TOOL KIT
- GENERAL AVIATION MAINTENANCE KITS
- HAND CARRY KIT
- LINE MAINTENANCE KIT
- WORKSHOP CABINET
- AIRCRAFT SHEET METAL KIT
- STAINLESS STEEL TOOLS
- TOOL STORAGE SYSTEMS
- CUSTOM TOOL KITS
- PRECISION TOOLS
- INDIVIDUAL TOOLS



BAHCO
TOOLS

LIFETIME
GUARANTEE

REDBOX
FOAMS

2 YEAR
GUARANTEE

TOOL KITS ALSO AVIALABLE:

AIRCRAFT SPECIFIC KITS |
HOUSEHOLD TOOLS | MARINE |
METALWORK | OFFSHORE |
PLUMBING | WORKING AT HEIGHT
| WIND POWER | WOODWORK |
ELECTRICIAN



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AIRCRAFT MAINTENANCE CONSUMABLES

AMO Product List

Aircraft Maintenance Consumables

ARDROX 185 (25kg)	RUST REMOVER	NOZZLE CLEANING	2.5 KG BAG
ALUKLEEN	ALUMINIUM DEOXIDISER	PRE PAINT CLEANING AND RENEWAL OF ALUMINIUM	25 LITRE
HANDSOME	ANTIBACTERIAL HAND SOAP	HAND WASH	25 LITRE
OAKITE 202	AIRCRAFT WASH	AIRCRAFT EXTERIOR AND CARPET CLEANING	25 LITRE
MEK	METHYL ETHYL KETONE	CLEANING	5 LITRE
IPA	ISOPROPYL ALOCHOL	CLEANING	5 LITRE
WHITE SPIRIT	WHITE SPIRIT	MISC.	5 LITRE
ARDROX 1820	CABIN CLEANER & DISINFECTANT	CLEANING AND DISINFECTING GALLEY, OXYGEN MASK, TOILET AND CABIN	25 LITRE
ARDROX 6367	COMPRESSOR WASH FLUID	COMPRESSOR AND TURBINE POWER RECOVERY WASH	25 LITRE
CITRUS WITH GRIT	LEMON SCENT MOISTURISING HAND CLEANER WITH GRIT	THOROUGH CLEANING OF GREASE AND OILS FROM HANDS AND ARMS	25 KG
ARDROX 396/1E8	WATER DISPLACING RUST INHIBITOR	LUBRICATING AND PROTECTING	400 ML CAN
ARDROX 1900B	DEGREASER & DECARBONISER	AIRCRAFT EXTERIOR WASH, ENGINE WASH, DEGREASING ALL PARTS OF AIRCRAFT	25 LITRE
ARDROX 2526	PAINT STRIPPER	REMOVAL OF PAINT FROM AIRCRAFT FUESLAGE AND ASSOCIATED PARTS	25 LITRE
LPS 1	RUST INHIBITOR	LUBRICATING AND PROTECTING	400 ML CAN
LPS 2	RUST INHIBITOR	LUBRICATING AND PROTECTING	400 ML CAN
LPS 3	RUST INHIBITOR	LUBRICATING AND PROTECTING	400 ML CAN
LPC CFC FREE	ELECTRIC CONTACT CLEANER	ELECTRIC CONTACT CLEANING	400 ML CAN
ARDROX AV30 20L	CORROSIONINHIBITING COMPOUND	LONG TERM CORROSION PROTECTION	20 LITRE CONTAINER

Note that this is not the full list of products in stock. Please contact us for additional products not listed here

NDT MAINTENANCE CONSUMABLES

NDT Product List

Aircraft Maintenance Consumables

ARDROX 9PR5 AEROSOL	SOLVENT BASED PENETRANT REMOVER	NDT	400 ML CAN
ARDROX 9D1B AEROSOL	NON AQUEOUS SOLVENT DEVELOPER	NDT	400 ML CAN
ARDROX 8530 AEROSOL	HIGH SENSITIVITY FLOURESCENT MAGNETIC INK	NDT	400 ML CAN
ARDROX 9D4A (3KG)	DRY POWDER DEVELOPER	NDT	3KG BUCKET
ARDROX 800/3 AEROSOL	HIGH SENSITIVITY BLACK MAGNETIC INK	NDT	400 ML CAN
ARDROX 8903 W AEROSOL	WHITE CONTRAST PAINT	NDT	400 ML CAN
ARDROX 996PB AEROSOL	SOLVENT REMOVABLE RED DYE PENETRANT	NDT	400 ML CAN
ARDROX 8530 5L	HIGH SENSITIVITY FLOURESCENT MAGNETIC INK	NDT	5L CONTAINER
ARDROX 9813 (25L)	LEVEL 3 SENSITIVITY POST EMULSIFBLE PENETRANT	NDT	25 LITRE
ARDROX 9814 (25L)	LEVEL 4 POST EMULSIFIABLE PENETRANT	NDT	25 LITRE
ARDROX 9881 (25L)	EMULSIFIER	NDT	25 LITRE
ARDROX 9704 (25L)	LEVEL 2 SENSITIVITY WATER WASHABLE FLOURESCENT PENETRANT	NDT	25 LITRE
ARDROX 907PB	WATER WASHABLE RED DYE PENETRANT	NDT	400 ML CAN

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WORKSHOP TOOLS & CONSUMABLES

Other Chemicals in Stock

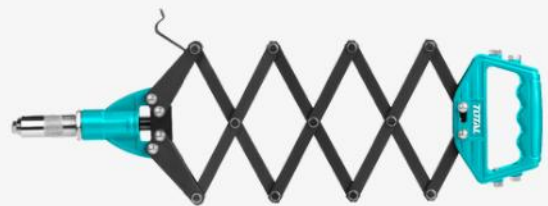
Hanger Tooling

- MEK
- IPA
- TOLUENE
- STANDARD THINNER
- WHITE SPIRIT
- ENGINEERS HAND SOAP WITH GRIT
- ANTIBACTERIAL HAND SOAP
- LPS 1, 2, 3 AND ELECTRIC CONTACT CLEANER

Hand & Power Tools

Brand - TOTAL

- CORDLESS DRILLS
- AVIATION SNIPS
- POWER TOOLS
- GREASE GUNS
- RIVET GUNS
- OTHER HAND TOOLS



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EXPERT TEAM

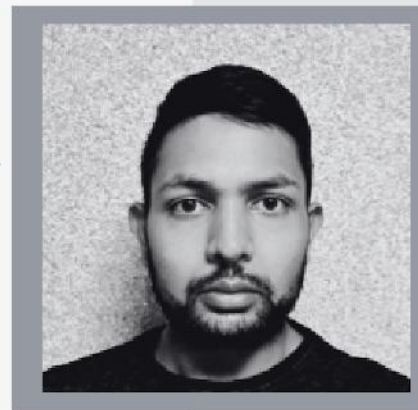
Meet our team members who are professional and have rich experiences.



Karan Patel

Accountable Manager | Licensed Aircraft Engineer | NDT Level II

Aircraft Maintenance Engineering graduate (BSc), Karan is currently the accountable manager at Tailwind Solutions Limited. He has over eight years of experience within the Aviation industry specializing in aircraft maintenance with in-depth knowledge of aircraft structures and systems.



Francis Chidzugwe

QA/QC Manager | Head of Workshop | NDT Level III

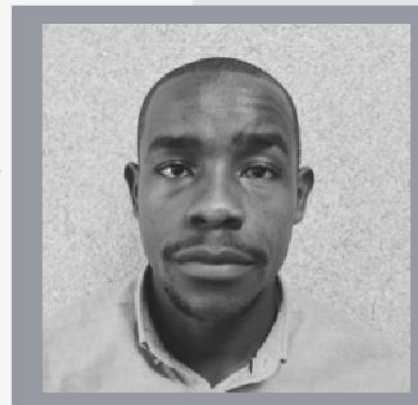
A highly experienced individual, internationally experienced aerospace engineer and Level III NDT Engineer with a distinctive track record of above 35 working in the field of materials testing up to NDT Engineer, Senior NDT Engineer and finally Responsible Level III at a world class airline.



Kamau. J. Njoroge

Technical Records and Planning | NDT Engineer Level II

John has over 5 years experience in the Aircraft technical and quality assurance /quality control department which aligns him well with the future of aviation and industrial development.



TOTAL EMPLOYEES : 9

PARTNERS THAT ARE PART OF THE GROWTH

OUR FAMILY

TSL began operations in 2020 and are growing their experience and credentials day by day. The team at TSL currently have over 30 years of collective experience in non-destructive testing and aircraft engineering. They are leveraging on this extensive experience to grow and build TSL operations and to provide their customers with effective services.

PARTNERS



**THANK
YOU, AND
WE LOOK
FORWARD
TO
WORKING
WITH YOU.**



LOCATION

Our state-of-art inspection laboratory is located in the heart of Nairobi's Industrial Area

ADDRESS

2nd Floor Filmico Building,
Dar-es-salaam Road,
Industrial Area,
Nairobi, Kenya
P.O. Box 45472-00100.

