



DYNAMIC INTEGRATED TANK SIMULATOR (DITS)

ENHANCE PROFICIENCY & MAINTAIN CURRENCY OF TANKS
CREW WITH DCC'S REVOLUTIONARY TANK SIMULATOR

DCC Technologies

Virginia, United States

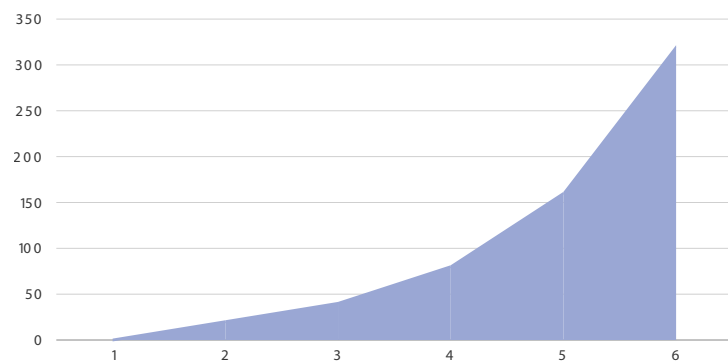
e: info@dccus.ai p: +1 703 488 8707

THE FOREFRONT OF MILITARY TRAINING TECHNOLOGY

DCC presents the Dynamic Integrated Tank Simulator (DITS), a groundbreaking solution designed to transform crew training. Immerse your team in realistic environments, significantly reduce wear and tear on your valuable war machines, and 70% enhancement in overall crew efficiency. With our cutting-edge technology, to elevate crew training regime on DITS with realistic tank.

DITS is not merely a cost cutting exercise, rather it is a value addition to the training regime of the Armed Forces, adding substantial value by providing an unprecedented level of realism and adaptability to training scenarios.

It goes beyond cost reduction, prioritizing the augmentation of operational readiness, crew proficiency, and strategic agility. By blending advanced Ai technology and realistic scenarios, it enhances operational readiness, crew proficiency, and strategic adaptability.



PROFICIENCY VS CURRENCY

DITS provides advanced features customized as per user requirements while training the Driver, Gunner, Commander, and Loader in two cupolas which operate in an integrated virtual environment:

- Firing Compartment
- Driving Compartment

In addition to enabling training under a variety of scenarios depicting battlefield and environmental conditions, DITS provides firing practice for following targets:

- Static to Static
- Static to Moving
- Moving to Moving

AUTHENTIC TANK INTERIOR



GUNNER CUPOLA



DRIVER CUPOLA

In addition to enabling training under a variety of scenarios depicting battlefield and environmental conditions, DITS provides firing practice for following targets:

KEY FEATURES

Real Tank Interior Depiction

- Immerse crews in an authentic tank interior, replicating the actual environment for a true-to-life training experience.
- Familiarize crews with the layout and controls of their specific tank model, enhancing muscle memory and operational familiarity.

Reduction in Machine Wear and Tear

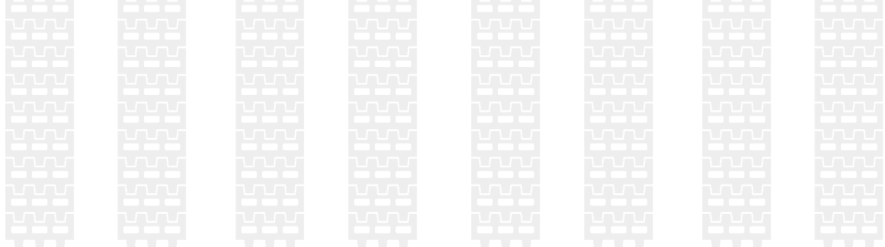
- DITS provides an unparalleled training experience without the physical strain on actual tanks.
- Extend the operational life of your equipment by conducting intensive training in a simulated (risk-free) environment while translating into significant cost savings on maintenance and repairs.

Cost-Effective Training

- Experience a substantial reduction in training costs, from fuel consumption to ammunition expenses.
- Achieve training objectives efficiently without the logistical challenges and expenses associated with live exercises, allowing crews to hone their skills in a realistic environment.

Enhanced Crew Efficiencies by 70%

- With high availability of DITS in a controlled environment, foster a culture of excellence within your crew by offering a realistic, immersive training platform.
- Improve learning curve, decision-making, teamwork, and adaptability through challenging and diverse simulation scenarios.



Minimization Training Cost

- Optimize fuel usage through simulated scenarios, minimizing environmental impact and operational costs.
- Practice emergency scenarios and evaluate crew efficiency without fuel or ammunition consumption.



Rain

Snow

Hail

Fog

Sand

Dust

Simulated Realistic Environments

- DITS empowers the instructors to customize training scenarios with realistic terrain, weather conditions, and other environmental variables for crew training to mirrors the challenges of the real battlefield.
- Replicate diverse operational landscapes, from urban settings to open terrains, allowing crews to adapt and be prepared for the complexities of real-world missions they may encounter in the field.

AI Driven Enemy Engagement

- Integrate advanced Ai opponents for dynamic and unpredictable training scenarios.
- Challenge crews with realistic enemy behavior, tactics, and responses, enhancing their ability to adapt and strategize.

BENEFITS

6DOF Motion Platform for Realistic Motion Effects

3D Surround Simulation

DITS boasts a 3D surround experience, transporting crews into hyper-realistic virtual environments that mirrors actual terrain conditions. The simulator's advanced graphics and surround sound create an authentic training experience, allowing crews to adapt to varied landscapes and environmental challenges.

6DOF Motion Platform

With our robust and time-tested Motion Queues Algorithm, tank crews are subjected to realistic acceleration, breaking, jerks, and centrifugal forces, as per selected terrain.



Realistic Environmental Variations

Prepare tank crews for the unpredictable. The simulator introduces realistic environmental variations, from changing weather conditions to diverse terrain types, ensuring that crews are ready for the complexities of real-world missions.

Operational Readiness

Ensure tank crews maintain their currency and proficiency all the time with, high-intensity training scenarios that mimic real-world challenges.

Emergency Scenario Generation

Keep tank crews ready to deal with emergency situations like Tank Engine Fire, Breech Block Jamming, Track Chain Damage, Body Armor Damage, Fuel Tank Damage, Ammunition Carousel Blockage, Auxiliary Weapon Firing, Thermal or Day Sight Malfunction/Image Jitter etc.

Customizable Training Modules

Keep tank crews ready to deal with emergency situations like Tank Engine Fire, Breech Block Jamming, Track Chain Damage, Body Armor Damage, Fuel Tank Damage, Ammunition Carousel Blockage, Auxiliary Weapon Firing, Thermal or Day Sight Malfunction/Image Jitter etc.

OPERATING EXPERIENCE OF DITS (DEPLOYED FOR CLIENTS)



Al Khalid

20+
Years



Al Zarrar

18+
Years



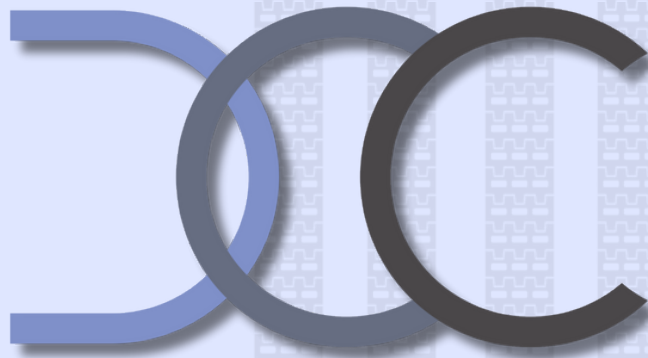
T85

20
Years



T80UD

18+
Years



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Contact



+1 703 488 8707



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