

RED LINE

PLAYDAY

**DIGITAL
READOUT**



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REDLINE: PAYDAY DIGITAL READOUT

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INTRODUCTION

Welcome to ETAC 2061!

This year's Efrete Technology and Armaments Conference celebrates its fifth year as the leading trade show for the showcasing of the latest cutting edge efrete and military hardware in the western hemisphere. We are proud to once again be hosted in beautiful Dallas Texas, one of the leading hubs for efrete advancement and development. We would also like to thank this year's sponsors, Oracle Defense Industries and Efrete Week Network for their continued support of ETAC.

This year we are proud to announce that attendees will be able to participate in world class exhibits, industry-lead education sessions, networking events, and more from the over 200 exhibiting companies on our show floor, representing a variety of industries from efrete technology, aerospace, industrial machinery, fabricated materials and more.

Every year, ETAC is growing, which is why we are excited to announce that this year's exhibits will be split into two separate halls. In Hall A, you will find the latest in military efrete designs and hardware that ETAC has become famous for around the globe.

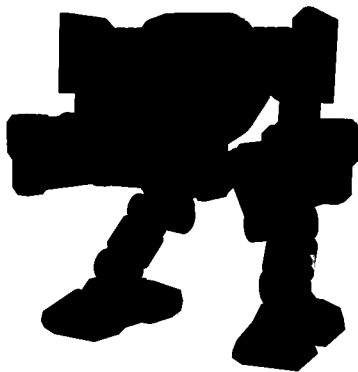
Meanwhile, Hall B is where you will find the newest efrete technology focused on the civilian market. There has been exponential growth in recent years towards the peaceful applications of efretes as their capabilities keep expanding. The mining, construction, and shipping industries have been transformed with wide scale adoption of efretes, and Hall B is dedicated to displaying the benefits that their applications continue to make on the advancement of humanity.

Thank you for your attendance, and for making this year's show another massive success. We hope that you enjoy your time at ETAC 2061!

"There are no great limits to growth because there are no limits of human intelligence, imagination, and wonder." - Ronald Reagan



LIGHT EFREETS



EF-9E JACKRABBIT



Role: Electronic Warfare
Introduction: 2058
Weight: 11 tons
Engine: Atomgrad 2 CF
Max Speed: 52 kph
Armor: RHA carbon ceramic plates
Armament: 2 Argentum-4 missile pods
2 TI-83 light lasers
Manufacturer: Hellas Heavy Manufacturing

OVERVIEW

As one of the first efreets deployed by the Crimson Pact of Mars, the original EF-9 Rabbit was a mainstay of their frontline combat forces when it was originally deployed in 2052. Over time the design quickly became outdated as more effective designs were being produced. However, the aging platform was easily modified for specialized roles, and this has allowed it to stay relevant. Among these modified versions,

the E, or electronics warfare model, has become among the most popular.

DESIGN

The Jackrabbit's performance is similar to that of the EF-9 Rabbit as they ninety percent parts commonality. This allows the E to easily fit in alongside existing CPM units in the field where its active sensor package can simultaneously scan and jam opposing forces. To make room for the extra electronics, the missile pods have lower capacity and a pair of chin mounted lasers were swapped for the machine guns. The extra space granted from the removal of the ammunition bays allowed for new passive sensors, and the installation of the powerful AESA IV Tsar radar system. Underneath the missile bays, a variety of mission specific EW pods can be installed. These can range from additional targeting pods to sensitive cameras or high energy "dazzle" laser counter measures to defeat incoming missiles.

DEPLOYMENT

During a CPM raid on Riyadh in 2061, a squad of Jackrabbits were deployed alongside a force of EF-25s Hammers. It just so happened that the Shamrock mercenary company was stationed nearby to provide security for a prominent family and engaged the attacking forces between the Riyadh Zoo and King Abdullah Park. The Jackrabbits were located by dumb luck when Fortune, one of the Shamrock pilots being aggressively jammed by the EF-9Es at the time, stumbled across them operating near the flamingo pond in the zoo. Seizing the opportunity, he charged them in his TRC-5 Tigercat, as Jackrabbits took heavy losses due to their light armaments. Several of them were recovered in the aftermath and deemed salvageable by Shamrock, who soon added the valuable efreets to their forces.



TRMT-3 TERMITE



Role: Work Utility
Introduction: 2057
Weight: 15 tons
Engine: LENR 2 reactor (mini)
Max Speed: 69 kph
Armor: DuraSteel
Armament: None
Manufacturer: Advanced Technology Designs

OVERVIEW

Often ridiculed as a glorified forklift, the Termite has become a common sight across many warehouses and construction sites since its debut. The tiny efreets' versatility has made it a modern-day mule horse and an indispensable addition to today's supercharged economy. mining. Mesquite Industrial Solutions answered the prayers of many mining CEOs with the announcement of their Argus program in 2060.

DESIGN

A simple design, the Termite was engineered without arms to minimize its profile and allow operation in the most crowded of workspaces. It makes up for this by being highly modular with a variety of appendages able to be attached to its front, rear, or underside ports, which allows the TRMT-3 to take on a variety of tasks. Among the most popular are its forklift prongs that allow for the easy transfer of heavy materials. Trenching saws and industrial shovels can also be added to help with excavation on construction sites. When hooked up to an external water source a hydraulic jet will blast through mountains with ease to aid in mineral extraction.

New tools and attachments are coming out all the time as new uses for the trusty Termite are found. From apple pickers to outlets that allow it to become an emergency power generator, its operators are finding there are few jobs that a Termite can't do. The design is as capable of loading spacecraft as it is navigating the tight confines of shipping warehouses, all while being tough enough to operate in the unforgiving vacuum of space

DEPLOYMENT

Thanks to their relative affordability and simple design, Termites have found popularity in most heavy industries. Since its introduction, sales of the Termite have accounted for nearly sixty percent of ATD's yearly revenue, with no signs of slowing down in the foreseeable future as orders continue to outstrip their manufacturing capacity. As a result, used Termites - even heavily used models - still hold their value relatively well on the secondary efreets market.



GRT-61 GRUNT



Role: Support
Introduction: 2060
Weight: 26 tons
Engine: R-309 Slim
Max Speed: 65 kph
Armor: Beach Co Tungsten Tiles
Armament: 2 Hi-Pulse laser cannons
Manufacturer: Beach Ltd

OVERVIEW

Thanks to the burgeoning demand for military grade efreets among PMCs in recent years, small contractors like Beach have seen an opportunity to enter the efreet market and compete against larger entities like Oracle Defense Industries. With its inaugural design, the Grunt is an affordable weapons platform for its weight class. As such, the efreet has been a best seller since it was first revealed at the 2059 American Aerospace & Defense Summit.

DESIGN

Defense experts have noted that one of the reasons that efreets have come to dominate the battlefield so quickly since their introduction in 2051 is their ability to seamlessly blend the capabilities of heavy armor and infantry into a single unit. Granted, while some efreet designs skew more towards the heavy armor side of the paradigm than others, the GRT-61 unapologetically tilts towards infantry. Small and nimble, the Grunt excels in confined spaces, such as urban areas, where it can take and hold territory that its larger brethren would never even be able to access.

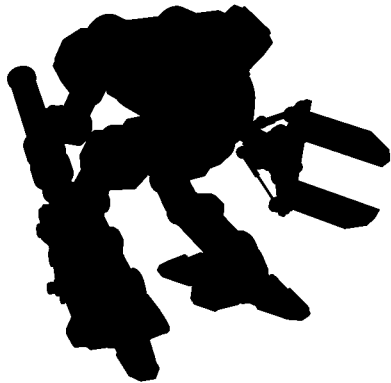
Armed with two Hi-Pulse laser cannons in its arms, the Grunt incorporates large cooling radiators underneath each weapon to keep them operating at peak efficiency during sustained firefights. A robust sensor system rounds out the combat package with easily customizable software that allows the Grunt to work within a variety of military networks. This feature is highly praised by PMCs who often find themselves working alongside a variety of MILNETs in their line of work.

DEPLOYMENT

Coming in at just under thirty million dollars each, the Grunt has been adopted by a wide variety of small mercenary groups and pirates who have limited resources at their disposal. Because of its relative affordability, the Grunt has already seen its fair share of combat in the Solar War, having seen action against the Death Dealers during the skirmish at the Krasnyy Gorod colony on Mars, and against the Lunar Wolves mercenaries during the Battle of Neom.



MEDIUM EFREETS



AXL-2 AXOLOTL



Role: Multi-role efreet
Introduction: 2061
Weight: 52 tons
Engine: F30J-CF Reactor
Max Speed: 62 kph
Armor: Titanium weave composite
Armament: 1 Sureshot 105mm cannon
 3 ReyStar laser cannons
Manufacturer: BAS Technologies

OVERVIEW

Though not the first quad efreet design, the Axolotl has become one of the most popular due to its impressive performance. Although four legged efreets have many critics, they are slowly starting to gain more favor in military circles as experience in the field has begun to show that efreets like the AXL-2 can outperform its two-legged brothers in many circumstances.

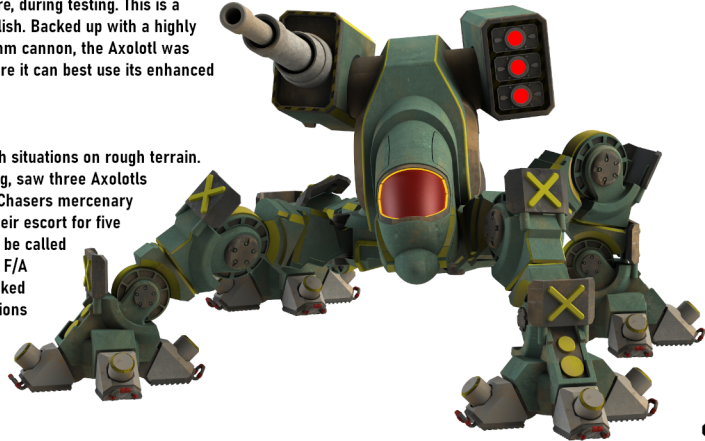
DESIGN

The advantages of a four-legged design have always been obvious – it provides a more stable firing platform and increased mobility when in combat. However, this comes at a cost as any quad will have difficulty operating in confined spaces and is a maintenance nightmare.

However, BAS Technologies saw a quad design as an opening to stand out from the crowd and make a name for itself in the increasingly crowded military efreet market. The Axolotl delivers, using advanced AI for each leg that allows for independent tracking and placement of the legs with pinpoint accuracy across a wide variety of terrain. So effective is the technology behind the Axolotl's quad legs that the efreet regularly scaled inclines of sixty-five degrees, and sometimes more, during testing. This is a feat that its bipedal brethren could never accomplish. Backed up with a highly accurate tri-pack of lasers and the Sureshot 105mm cannon, the Axolotl was designed for mid to long range engagements where it can best use its enhanced mobility to shoot and scoot.

DEPLOYMENT

The Axolotl has been effectively used in overwatch situations on rough terrain. The tactic, first used during the Battle of Darjeeling, saw three Axolotls deployed by the Hardcase Company of the Storm Chasers mercenary group hold up an entire UNE supply convoy and their escort for five hours in the valley below before air support could be called in to evict them. However, by the time the flight of F/A 52 Buzzards arrived, the Axolotls had already slinked away into the city below only to retake their positions to harass the convoy once again after the planes left.



HLR-5 HAULER



Role: Loader
Introduction: 2059
Weight: 55 tons
Engine: LENR 4 Reactor
Max Speed: 80 kph
Armor: Composite Plate Aluminium
Armament: 2 Teeland Corp SureGrip Mandibles
Manufacturer: Teeland Corp

OVERVIEW

Compact and robust, the Hauler is a highly dependable medium efreet most often used in space docks and shipping yards to quickly move heavy loads of cargo. However, the design is versatile enough that it sees use in a wide variety of work sites due to its proprietary arm architecture that allows for quick interchangeability of specialized tools.

DESIGN

Although Teeland Corp designed the Hauler to operate primarily as a loader, the company realized early in the design process that the new efreet had the potential to perform a variety of jobs thanks to the powerful LENR-4 reactor and adaptable frame. In hopes of expanding their market, Teeland developed an entire line of interchangeable and specialized arms for the Hauler. These arms can easily be swapped in and out while working due to the proprietary ratcheting shoulder assembly that makes changing arms as easy as changing a drill bit on a personal hand drill.

Aside from the standard loading grips, the Hauler can also be outfitted with powerful drills and jackhammers for excavating. Equipped with its own acetylene gas tank, the welding arm allows the Hauler to handle large welding jobs with speed and ease. A spraying nozzle attachment is equally effective at spraying agricultural pesticides or coating the undersides of spacecraft with heat resistant polycarbonate sealants. A wide variety of powerful saws has helped the Hauler see rapid adoption in the lumber industry.

DEPLOYMENT

An early adopter of the Hauler was mining company, Drihl Co, which has used the powerful efreet to great effect in its excavation sites around the globe. Drihl Co usually operates its Haulers in teams of two, in which one will drill for raw ore while the other carries the heavy loads back to loading trucks in the rear for processing. Since purchasing its Haulers, Drihl Co CEO Thaddeus Smart has boasted that his company has seen quarterly profits up twenty-three percent with no signs of slowing down in the near future.



RMNT-10 ROCK MANTIS



Role: Miner
Introduction: 2060
Weight: 58 tons
Engine: RBMK-1000
Max Speed: 69 kph
Armor: DuraSteel
Armament: 2 Voltor Brand Industrial Saws
Manufacturer: Advanced Technology Designs

OVERVIEW

With the outbreak of the Solar War intensifying the demand for rare earth minerals, many defense analysts within the UNE worried about a potential shortage if the CPM was ever able to successfully blockade access to the asteroid belt. Because of this, a recent emphasis has been placed on maximizing more readily available and accessible Earth based deposits of REMs, especially within the vast fields of deposits still estimated to be within the confines

of the abandoned borders of the CPM and BRIMEA nations.

DESIGN

With this need in mind, the engineers at ATD began work on the Rock Mantis as a highly capable mining platform that is able to meet the demands of the UNE nations for the highly prized ores used in the majority of today's technologies. Equipped with two powerful Voltor industrial belt saws, the RMNT-10 can rip and tear through the toughest of ores with ease.

Designed mostly for open pit mining operations, the efree't's highly movable and extendable forearms allow it to excavate large swathes of terrain at once. The cockpit's placement gives the driver excellent visibility of the worksite, and the simplified control layout makes the certification of new pilots with minimal efree't experience relatively quick and inexpensive.

DEPLOYMENT

Although it was designed for Earth-based operations, the Rock Mantis can operate in low-G environments with just a few modifications. A reinforced foot was designed by ATD for this purpose, providing the stability needed to work effectively in these environments. As the cockpit is not rated for use in space, doing so requires the pilot to wear a spacesuit when operating this way. However, the RMNT-20, a new variant of the Rock Mantis with the modified foot design and a space rated cockpit, is in the works as a dedicated asteroid miner. Dubbed the Tardigrade by its design team for its ability to work in outer space without harm, it is expected to hit the market in 2064.



STCR-60 STARCRANE



Role: Construction
Introduction: 2057
Weight: 65 tons
Engine: Gex-G55 reactor
Max Speed: 49 kph
Armor: Magik-XS
Armament: 1 Colossus Type 3 Telescoping Arm
Manufacturer: Kimura Motors

OVERVIEW

It wasn't long after the introduction of efreet technology in 2051 that private companies began to embrace the advanced capabilities of the platform. Kimura Motors, well known for their line of heavy-duty construction equipment, theorized that the mobility and sturdiness of an efreet would be the ideal platform for a new line of self-propelled heavy cranes that could operate unhindered on unprepared terrain. After an extensive series of studies to prove the

concept, the Starcrane program was greenlit to begin in early 2054.

DESIGN

To make up for their lack of efreet experience, Kimura Motors brought on Dr. William Patrick from Rare Earth Weapons to lead their program as he was one of the lead designers of the LGT-3 Lightning. Reinforced with the newest generation of military grade foam steel surrounding nanotube composite rods, the STCR-60's lower body can support over three hundred tonnes. A special waist connection was created with a three-hundred-and-sixty-degree range of movement when carrying even the heaviest of loads.

Once the core of the Starcrane was designed, the next step was coupling it with a crane robust enough to support the heavy weights envisioned by Kimura Motors. Using a special swivel joint that Dr. Patrick had originally designed as a way to stow heavy weapons in early concepts of the Lightning, the unique telescoping arm folds back and retracts behind. This helps to keep the weight distribution of the heavy crane arm balanced and out of the way when traveling. With an experienced operator at the helm, the crane can be deployed or stowed in ninety seconds when needed.

DEPLOYMENT

Starcranes have allowed the construction of many impactful projects in remote areas never before thought possible because of the lack of infrastructure needed to bring in heavy machinery. Desalination plants around the horn of Africa and a massive refugee housing complex outside Bhagalpur, India are just some of the places where the impact of the Starcrane is being felt around the globe.



PHB-60 PHOEBUS



Role: Fire Support
Introduction: 2061
Weight: 65 tons
Engine: CF Nova class 2 reactor
Max Speed: 120 kph
Armor: FisherNXT Carbonsteel
Armament: 2 Polk-II missile launchers
2 R-60 chain guns
Manufacturer: Polk Technologies, Inc/SAFE Systems

OVERVIEW

After the recent success of their relatively simple Bush Rat light efreet, the leaders of Polk Technologies wanted to follow up with a cutting-edge design that could go toe to toe with the latest weapons being deployed by the CPM and UNE. The upstart company, led by the Polk brothers, knew that they needed outside technical help if the Phoebus project was to

meet their lofty ambitions. SAFE Systems saw promise in the brothers' unique missile loading system and agreed to a partnership to develop the Phoebus to its maximum potential.

DESIGN

Originally envisioned as an upscaled Bush Rat, the Phoebus quickly became much more ambitious once the Polk brothers took a hard look at modern combat analytics. Current missile systems and the large variety of payloads they carry make them one of the deadliest weapon systems on the battlefield. However, loading and calibrating the multitude of missiles available to commanders is a time-consuming process, with the result being that most efrees are deployed into combat with sub optimal payloads.

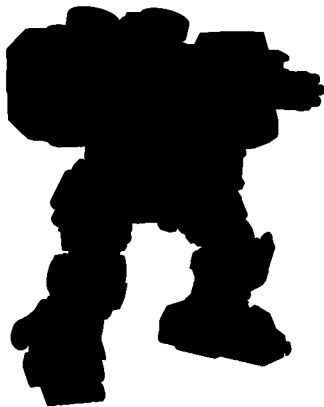
To fix this, the Polks designed a missile bay around five individual smart tubes that are able to accommodate missile systems independently simply through the process of loading. As each tube is equipped with its own separate fire control system, the Polk-II launcher allows up to five different missile types to be used simultaneously per launcher. Equipped with two of these launchers, the Phoebus can, and often does, fight with ten different missile types to counter any combat situation it finds itself in. While the Polk-II was finishing development, SAFE Systems helped to test and prototype the final stages of the Phoebus at their London proving ground where test pilots raved about its responsive handling and speed for its size.

DEPLOYMENT

Only a few of the PHB-60s have left the production line. Initial customers are still a secret until their ninety-day confidentiality agreements expire.



HEAVY EFREETS



AGS-15 ARGUS



Role: Miner
Introduction: 2061
Weight: 75 tons
Engine: F-150 HD
Max Speed: 100 kph
Armor: Steel Slab Composite
Armament: 1 WH-50 Power Drill
Manufacturer: Mesquite Industrial Solutions

OVERVIEW

Traditionally, the dangerous job of mining the vast riches of the asteroid belt had always been left to roughnecks operating heavy machinery adapted for low G environments. Although they were effective enough to get the job done, these rigs were never ideal for the extreme conditions of working in space. As the hunger for rare-earth metals grew, so did the demand for efreets purpose-built to better handle the inherent dangers associated with asteroid

mining. Mesquite Industrial Solutions answered the prayers of many mining CEOs with the announcement of their Argus program in 2060.

DESIGN

The Argus sports many design features to help it excel in the low G environments. Key among these are its magnetized foot pads that are able to provide traction on the solid ores that make up the landscape the Argus would primarily be operating on. When preparing to excavate, small drills (nicknamed space cleats by the design team) bore out from the foot to anchor the Argus in place and provide deep rooted footing for long periods of work.

In addition, advanced dust filters created with a proprietary nano material help to cleanse the delicate internal machinery from the talc like particles commonly found drifting on asteroid work sites. The adaptable arm mounted WH-50 drill can quickly swap out bits with a minimal crew to overcome any type of ore. The Argus is also equipped with a highly sensitive magnetic sensor that allows the pilot to quickly survey the terrain before them to find the highest concentration of metals to speed up extraction. In low visibility environments, the sensor is also capable of identifying heavy machinery such as other efreets, even through obstacles.

DEPLOYMENT

So far, the Argus has been a huge success with many space-based mining companies claiming productivity increases of over thirty percent or more on job sites where Argus's have started working. In addition, a few earth-based companies have also deployed the design and reported similar results, with the Argus quickly gaining a reputation as a hard and dependable worker in the field.



OGR-3 OGRE



Role: Assault
Introduction: 2059
Weight: 85 tons
Engine: FusionCore Tech HD-100
Max Speed: 40 kph
Armor: Bastille ceramic plate
Armament: 1 RC-20 Hermes rotary cannon
1 Sagittarius-15 Missile Bay
Manufacturer: Bryne Armaments

OVERVIEW

Largely criticized as too heavy, too underpowered, too slow, and too damned ugly, Ogres saw poor sales among even the most desperate of entities, and as such has become a rare sight on the battlefield today. Just three months into production, the production line for OGR-3 was shut down with the company behind it filing for bankruptcy soon after and with little fanfare.

DESIGN

Developed by Bryne Armaments, a company largely known for the manufacture of military trailers to European nations who viewed the expanding efreet market as easy money. As such, the Ogre's production was rushed in hopes of securing a large defense contract from the UNE. Its failure has become a warning to all other efreet manufacturers of the risks associated with dodgy design and a misunderstanding of efreet technology.

Adopting the bigger must be better approach to nearly every aspect, the Ogre is a monstrous hulk of an efreet, even by modern standards. Though heavily armed and even more heavily armored, the OGR-3 struggles to keep up in a fight on the modern battlefield due to its underpowered cold fusion reactor and relatively heavy and bulky ceramic plate armor. Pilots who have been behind its controls all agree that responsiveness is generally sluggish due to the stiff leg assembly and poor overall balance. Even UNE test pilots found the Ogre a chore to pilot during trials which would have made it totally unsuitable for use in combat for anyone but seasoned veterans.

DEPLOYMENT

It is unknown exactly how many Ogres were produced by Bryne Armaments once they went out of business, although most estimates put the number at around twenty-five. Despite a poor reception, the efreet has gained a few fans in the years since its cancellation. This largely comes as a result of its over armored hull which can absorb an astounding amount of punishment while keeping the efreet in fighting condition. The few Ogres still in service today have been stubbornly kept operational by those who appreciate the value of what an eighty-five-ton chunk of armor can bring to a slugfest.



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TACTICAL CARD COMBAT

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