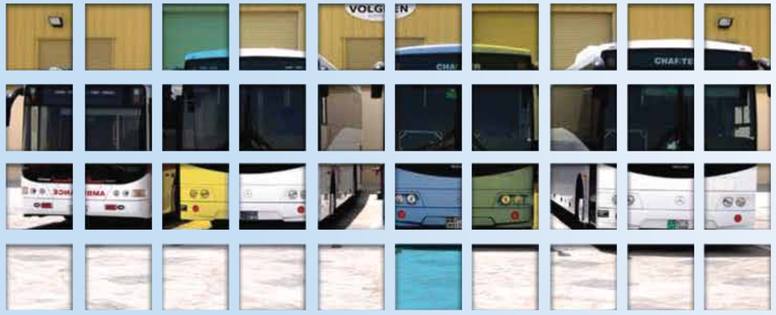
HAFILAT

حافلات



HAFILAT

Driving Innovation

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HAFILAT INDUSTRIES
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Driving Innovation

HAFILAT

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حافلات

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INTRODUCTION

Etymology

Bus is an apheresis of the Latin word Omnibus. It's derived from the hatter Omnès' shop named "Omnes Omnibus" which was situated in front of one of the first bus station in Nantes in 1825. "Omnes Omnibus" was a pun on the Latin sounding name of the hatter : omnes meaning "all" and omnibus means "for all" in Latin. Nantes citizen soon gave the nickname of Omnibus to the vehicle.
When motorized transport replaced horse-drawn transport starting 1905, a motorized omnibus was called an autobus, a term still used. It is pronounced bus , or in some dialects boos, plural either "buses" or "busses", both pronounced buses


Blaise Pascal (Carriage)
first known public bus

Steam Powered Bus


Electric Trolley Bus


first engine powered bus


Modern concept

History

The first known public bus line (though it was called "Carriage" at that time) was launched by Blaise Pascal in 1662. It was quite popular at first but became crippled after nobility restricted access to the service to high society members only and increased the ticket price. It ceased operation 15 years later, and no further such services are known until the 1820s. Early horse-drawn buses were a combination of a hackney carriage and a stagecoach. From the 1830s steam powered buses existed. In parallel to the development of the bus, was the invention of the electric trolleybus, typically powered by overhead wires and fed by a pantograph, which actually preceded, and in many urban areas outnumbered, the conventional engine powered bus.
The first internal combustion engine buses were developed along with the automobile. After the first engine powered bus of 1895, models expanded in the 20th century, leading to the widespread introduction of the contemporary recognizable form of full size buses from the 1950s.

SPECIAL PROJECTS

EMIRATES FOUNDATION AWARNESS BUS


MOBILE LIBRARY BUS

HANDICAP VAN


MJALES BUS


SPORT CLUB COACH BUS

SPECIAL PROJECTS

SAFARY TRUCK FOR AL AIN ZOO

AMBULANCE BUS

FAB-LAB, SHAIKH HAMDAN BIN RASHID PRIZE

ABU DHABI POLICE DETEAINEES BUS

The vision

To Play an essential roll in the realization of Abu Dhabi Master Surface Transportation Plan 2030

Mission

To manufacture 'World Class Quality' buses in the UAE that deliver leading-edge technology and safety for passengers and drivers while remaining efficient and environmentally friendly.

Product Range

Hafilat is a UAE based 'international Quality' bus builder. The buses are made from aluminium, similar to aircrafts, heavy-duty trucks and high performance cars. The extrusions which are stronger and lighter than steel, are bolted together using the Swiss Co-Bolt® manufacturing system. This allows for bus designs that are lighter, stronger, extremely cost-effective, more environmentally friendly and ultimately safer for passengers and drivers.

Articulated Bus

Ambulance 15 Stretchers on VOLVO chassis

Interior View of the Ambulance Bus

Inter City Bus on Mercedese Benz

Double Decker Bus

Police Application Bus on Mercedece chassis

Handicap Bus on Volvo Chassis

Hafilat manufactures a full range of public transport buses, including 12.5m Low Floor, 14.5m Low Floor, Articulated, Double Deck, Compressed Natural Gas (CNG), Hybrid (electric) and Trolley Buses.
Hafilat boasts a comprehensive support system that includes a local repair network, spare parts supplies and training services.

Hafilat Industries has been awared **ISO** 9001:2008, **ISO** 14001 : 2004 **&** **ISO** 18001 : 2007 quality mamagment certificates for the scope of (bus body assembly, refurbishment / modification and maintenance).

Approval Certificate

By Authorization from AD EHS Center

Industrial Development Bureau - Department of Economic Development

Certifies that

Hafilat Industries L.L.C

شهادة إعتماد

بتفويض من مركز أبوظبي للصحة والسلامة والبيئة

بأن

مصانع الصناعة - دبي

Certificate of Registration

This certificate has been awarded to

HAFILAT INDUSTRY L.L.C.

ICAD - 1, Main Trunk Road, M - 41, Plot C2(22-26), Mussaffah, P.O Box 91207, Abu Dhabi. United Arab Emirates

In recognition of the organization's Quality Management System which complies with

ISO 9001:2008

The scope of activities covered by this certificate is defined below

Bus Body Assembly, Refurbishment Modification and Maintenance

Certificate of Registration

This certificate has been awarded to

HAFILAT INDUSTRY L.L.C.

ICAD - 1, Main Trunk Road, M - 41, Plot C2(22-26), Mussaffah, P.O Box 91207, Abu Dhabi. United Arab Emirates

In recognition of the organization's Environmental Management System which complies with

ISO 14001:2004

The scope of activities covered by this certificate is defined below

Bus Body Assembly, Refurbishment Modification and Maintenance

Certificate of Registration

This certificate has been awarded to

HAFILAT INDUSTRY L.L.C.

ICAD - 1, Main Trunk Road, M - 41, Plot C2(22-26), Mussaffah, P.O Box 91207, Abu Dhabi. United Arab Emirates

In recognition of the organization's Health and Safety Management System which complies with

OHSAS 18001:2007

The scope of activities covered by this certificate is defined below

Bus Body Assembly, Refurbishment Modification and Maintenance

Client Satisfaction is Our Target
Vehicle Saftey on Roads is Our Priority

Safety

Safety is a prime concern at Hafilat; an aspect we hold in higher regard than any other factor. This Grain of thought has led to a considerable investment in safety at all stages, starting from the factory floor.

In this capacity, Hafilat invests heavily in numerous avenues spanning floor space, plant quality, equipment and information technology. However, the biggest investment remains centred around our people - a highly trained select group of individuals that continue to push the envelope in terms of research, design, manufacture and support.

The proof of the success of this strategy is reflected in a sterling safety record, and buses that have passed the most stringent of global safety and structural testing, including ADR, the ECE and the USA side impact tests. Furthermore, we carry out our own wave of internal laboratory testing, designed to provide the end-user with the most sophisticated products in the industry.

It is this firm commitment to impeccable safety that has made the Volgren design and Hafilat manufacturing process a global method and a product of international standards.

Commitment

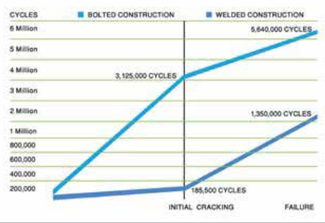
As industry vanguards, we at Hafilat find it imperative that we uphold the highest production standards when crafting our high-octane transport solutions. Nowhere is this commitment to excellence more evident than the relentless and rigorous training undergone by our staff. Apart from investing in professional team development, we remain devoted to employing only the most advanced technology, production processes and manufacturing facilities. We also utilise a wealth of Research & Development resources made available to us by our Australian partner and manufacturing powerhouse, Volgren.

By reducing factory lead-time, honouring delivery schedules and maintaining world-class production benchmarks, we have perfected a customer servicing strategy that is flexible, efficient and above all else - extremely effective. This strategy is further supported by Volgren's Melbourne plant, which produces kits for assembly, while our strategic alliance with sister plants in Brisbane sydney, Johore Bahru, Singapore and Perth affords us a myriad of useful input and ideas.

Manufacturing the Secret to our Success

Hafilat Manufacturing System

Using the 'tried and true' Volgren manufacturing system, Hafilat buses boast a unique aluminium body design that features specially molded channel extrusions and bolted gussets, creating faultless joints and consequently a more robust structure.
The Swiss developed manufacturing system is known as "Co-Bolt®".



This manufacturing methodology is one of the secrets to our success story, and the reason for its implementation in over 20,000 buses worldwide. In transport applications, the rigours of continuous vibration and stresses due to dynamic loading are severely detrimental to regular welded joints, causing them to falter and fail. Volgren's bolted system eliminates this problem and results in enhanced joint life.

Meticulous attention to detail within the design and manufacturing stages translates into Hafilat built bodies that offer greater reliability and less vehicle downtime.

Quality and versatility are important staples in our work and production ethos. We also understand that each client has a unique set of requirements governing their operating locations. Hence, Hafilat is prepared to cater to these requirements with tailor-made offerings including double and single deck city buses, school buses, intercity coaches, touring coaches and other specialist vehicles.

World Class Technology

It is our firm belief at Hafilat, that progressive thinking and innovation are the keys to high quality products and successful business practices. It is this conviction that forms our bond with Volgren, the company credited with revolutionising the Australian industry with a number of critical developments.

Apart from being the first bus manufacturer to use aluminium instead of steel, Volgren also pioneered the use of bolted gussets for joints to strengthen aluminium bus designs. Using this unique Swiss developed Co-Bolt® system, Volgren has been able to create bus structures that are stronger, safer, lighter and more reliable than their steel-based counterparts.

In fact, these structures along with their unique joint designs have proven to be so robust as to last longer and provide less downtime, enhancing the bus end-value and service life.

School Bus

The Competitive Edge

By utilising both Volgren's aluminium extrusion body and gusseted joint system along with a host of high quality structural materials and cutting-edge technology, Hafilat buses bring forth world class solutions that ensure every bus body is structurally strong, corrosion-resistant, easily maintained and above all - comprehensively safe.

Gusseted joints

gussets

Designed Extrusions
provide superior strength

The Aluminium Advantage

Apart from being an industry staple in heavy-duty trucking, aircrafts and high performance cars, aluminium's many qualities make it a superior choice for the bus transport industry.

Aluminium features a number of benefits that include being corrosion-resistant, lightweight and requiring no protective coatings.
Thus, any bus made of aluminium has a longer working lifespan and less downtime, minimising the need for spare parts.

Enhanced flexibility is also an important physical trait of aluminium, allowing it to be extruded into a myriad of complex shapes that provide strong structural integrity and intricate design. The meager weight of aluminium translates into buses that are up to 400 kilograms lighter than steel counterparts.
It is no secret that aluminium trumps steel in numerous industry-specific applications, making it the material of choice for the fleets of some of the world's biggest companies including KMB Hong Kong, Grenda Australia and Comfort Delgro in Singapore.

Designed Extrusions

Our partner, Volgren has perfected aluminium construction into a precise science; so much so that it has now manufactured a
massive range of specifically designed extrusions to suit each element of the overall design.

These extrusions undergo the most stringent quality control tests at Australia's largest aluminium smeltering plants using 6000 series structural aluminium alloys, and are manufactured to withstand exacting pressures. For example, the cantrail extrusion, a 14.5 metre long extrusion that runs along the full length of the bus, requires the use of the largest extrusion press in Australia.

Aluminium Extrusions

Manufacturing to World Standards

Be it the lofty standards of the ECE (European Standards) or the stern benchmarks of the ADR (Australian Design Rules), Hafilat - Built Volgren bodies have consistently surpassed the most stringent of global testing. Furthermore, we, along with Volgren, carry out our own battery of laboratory destruction tests to ensure that build quality remains nothing short of perfect.

Remaining true to being industry pioneers, Volgren was the first company in the world to successfully roll over an aluminium superstructure and achieve less than the maximum deflection criteria, satisfying the ADR59 benchmark.
Over 20 years ago, the aluminium body also passed side impact tests in the USA, a critical set of regulations that remains relevant in modern vehicle assessment.

Coaches Product