Hesan Alkhaleej

 حصان الخليج
Passenger Value

Industrial design in each and every product is already common, though not every solution can be called an optimum between purpose and style. So, what does a design solution need for a vehicle living decades? Far from just being fashionable, it requires many invisible qualities. And they all start with empathy.

Absolute Reliability

Individuality is fine, but do cars really always provide such qualities? In the middle of a traffic jam – or worse, in the middle of a traffic jam during a sandstorm – it’s time to think what really represents ‘Reliability’ – when road traffic comes to a standstill, railways still have some reserves to keep moving.

If they are engineered and built by Siemens – with more than 180 years of experience.

About Safety

Every year approx. 15,000 people die in Saudi Arabia, Qatar, UAE, Oman and Yemen in their cars. And the numbers increase because many drivers are distracted by phone calls, checking emails or chatting online. And traffic it will get worse due to population and business development in the region. Much of this could be avoided – if the same people were doing the same things, but use trains instead. According to studies in UK and USA, trains are 25 to 9000 times safer than cars.
Someone who cares

Passengers like to be surprised by useful details from visionary industrial design, showing the extra care of people who know how to make a journey valuable. Quality rules here over quantity – no desperate attempts to draw attention, but clever details making all the difference. Clever design creates more space and more capacity on the same footprint, and it also opens a field of variations to give the operator opportunities for a customized appearance at reasonable costs. Clever design makes travelling by train more attractive – much more than being chained to your car seat.

Seat comfort

Railway seats development has made considerable progress in recent years. The main trend: less space for the seat, more space for passenger. Seats can give passengers more legroom even at reduced seat pitch. Smart geometries derived from aircraft designs make every inch of previously unused space available for you while ergonomic design replaces bulky adjustment by kinetic mechanisms to make your seat fit like a glove. And new materials with better dry comfort on long trips.

Luggage comfort

Whichever travels, carries luggage. One of the great advantages of rail travel over flying is unlimited luggage. But how to stow it without losing comfort? Studies show that overhead luggage racks are mainly used for small items – lifting heavy luggage is not easy and bears risks when sitting under the rack. Placing heavy items on an empty seat or in the aisle is also no permanent solution. Similar to air travel, check-in luggage transported in separate luggage cars and small or sensitive luggage stored in floor mounted luggage racks yield a lot more seating space.

Work and entertainment

Once aboard, there is plenty of time since there is no need to concentrate on driving. Many features are available to put travel time to good use:
- tables with notepad support
- power supply sockets at seat
- adjustable LED reading lights
- RGB adjustable LED moodlight
- Internet access

Relax and enjoy

Sit back and relax with adjustable cushions to support your body. At the time you are ready for refreshment, a range of catering solutions is waiting for you. And before, we can advise the caterer to ensure efficient service.

Family Matters

Trains are perfect for large families – communicate and have fun during the journey, take a walk – many more possibilities than in a car or an aircraft. Imagine what comfort an exclusive First class might offer. And future oriented media servers to enjoy the latest blockbuster, and Gigabit WiFi…

Your Oasis in the Desert

It is said that the Arabian horse has been domesticated centuries ago to protect bedouin riders crossing the vast deserts of the peninsula. Today, our engineering protects passengers against extreme environments. Calling our train ‘Hesan Alkhaleej’, we see an analogy with the purebred Arabian mares of former times. People riding this train can rely on our knowledge and dedication to arrive on time and in good shape, protected against a harsh world outside the windows.
Everyone needs balance

As the region’s commercial development moves forward, road and air traffic solutions come to their limits, with increasing road accidents, traffic jams and flight delays. It is about time to optimize the traffic system for the coming decades. Simple solutions to achieve good results in some areas will not do the trick. Many performance criteria need to be carefully balanced to achieve an optimum between comfort, transport capacity, travel performance, energy consumption, lifecycle cost and environmental impact.

The Hesan Alkhaleej train concept can help you find the right balance. Benefit from it.

Desert resistant by Concept
All traction and coach power is provided by two power cars. Concentrated equipment allows innovative cooling and air filtration. Stainless steel minimizes solar radiation and air conditioning power consumption.

Maximum Reliability
Only top quality components with extreme endurance are used. But the desert environment is demanding, so we use parallel arrangement of critical components — if anything fails, there is backup to keep the schedule. Like the traction — if any one motor fails, there are seven others to keep going. Even if one complete power car would fail, the other one could supply and move the train.

Maximum Flexibility
Train length can be selected to suit the passenger demands, all vehicles in the train consist can be exchanged providing all options for future development in service — your imagination is the limit. In case of later electrification, the diesel power cars can be simply replaced by electric ones.

Efficient space
The Hesan Alkhaleej is the favorite of business plans: our interior concept maximizes the passenger floor-space. Equipment is arranged in compact clusters to leave maximum space for passenger areas. Our extra wide cars provide high capacity in a luxurious setting with extra wide seats.

Efficient comfort
Existing routes can be utilized without modifications, so our Hesan Alkhaleej features high total performance, not just the top speed. Flat entrance in all cars, flat floor, wide doors and passageways help to reduce dwell times. With our flexible interior system, the interior layout can be changed quickly.

Efficient safety
FRA approved crash energy management ensures passive collision safety. Safety related components are continually monitored online. Entrance doors with electromechanic driven protect passengers. Multi-layer vehicle controls feature fail safe structures. Backup batteries provide autonomous emergency power in each car.

Spaceship
The train concept based on individual coaches not only gives you full control over train capacity and comfort, but also best utilization of the available train length.

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