

**aertssen**



**People,  
power and  
passion to  
build on**







Aertssen Machinery Services (AMS) is a heavy lift and heavy transport company operating in the Middle East. The Aertssen group is a Belgian family business with more than 50 years' experience underpinning a reputation as one of Europe's leading earth-moving, heavy lift and heavy transport contractors. Aertssen Machinery Services, our Middle East crane and heavy lift division, specialises in vertical and horizontal heavy transport. We are suppliers of mobile telescopic cranes, telescopic crawler cranes, lattice boom crawler cranes, mobile tower cranes and SPMTs (Self Propelled Modular Trailers). We also have an extensive fleet of trucks and trailers at our disposal. We work on both a rental and, far more frequently, a contracting basis. In combination with our entrepreneurial approach, this is a factor much appreciated by our customers who, in addition to requiring crane work, also have specific transportation needs.

#### **AMS, YOUR RELIABLE PARTNER**

Our wealth of experience, our qualified and committed staff and our use of state-of-the-art technologies together ensure that our integrated services meet all of our customers' needs and expectations. Our thorough and flexible approach enables us to deal efficiently with complex projects and tight deadlines, bringing each and every commission to a satisfactory conclusion.

We believe in forming solid partnerships with our customers. This means honouring every agreement, constantly seeking to improve our working relationships and consistently looking for ways to improve our services. This attitude forms the very heart of our business policy.

#### **WE DON'T SIMPLY REFLECT – WE ANTICIPATE**

Because we know how important preparatory work is for the successful completion of complex projects, our research and engineering department makes three-dimensional projections of complex sites. The realistic reproduction of the assignment ensures efficient, fast and safe execution of all manipulations, benefiting not only our customers but also our crane operators, safety personnel and engineers. Here are a few examples of what our engineering department can do for you:

- **LIFTING PLANS**
- **A SELECTION OF SPECIFIC LIFTING EQUIPMENT**
- **GROUND-BEARING PRESSURE CALCULATIONS**
- **WIND SPEED CALCULATIONS**
- **HEAVY AND COMPLEX TRANSPORTATION SOLUTIONS**





## OIL AND GAS

- Client: Adma (UAE)
- Contractor: Denholm Yam

### Denholm Yam, Mussafah

AMS is a preferred partner in the oil and gas industry, a position it has attained by proving its skill and reliability in projects such as the Das Island shutdown and by erecting and operating cranes in a limited space for the Ruwais Refinery Expansion project.

When Denholm Yam needed to lift two steel jackets from an oil rig, it was to AMS that they turned for help, and with good reason. Before being placed on to barges, the steel jackets needed to be carefully changed from a horizontal to a vertical position – never an easy task, especially with constructions weighing 261 tons apiece. The AMS solution was to use four cranes: two main cranes with a 400 tons capacity and two 280 tons-capacity cranes to help control the jackets while they were being moved. All four cranes needed to be coordinated, since the movement of one crane would inevitably affect the movement of the others. The process was facilitated by the AMS extensive planning and 3D drawings demonstrating how the operation should proceed. Conducted with minute precision and the utmost care, this resulted in the jackets being successfully laid flat in just four hours.

Loading the jackets on to the barge once again required that the cranes should work in tandem, although on this occasion only two cranes were involved. The cranes and counterweights needed to be aligned at all times. And once again careful preparation, combined with deep engineering, extensive experience and raw know-how enabled us to bring the job to a safe and successful conclusion.

## OIL AND GAS

- Client: Adma (UAE)
- Contractor: Archirodon

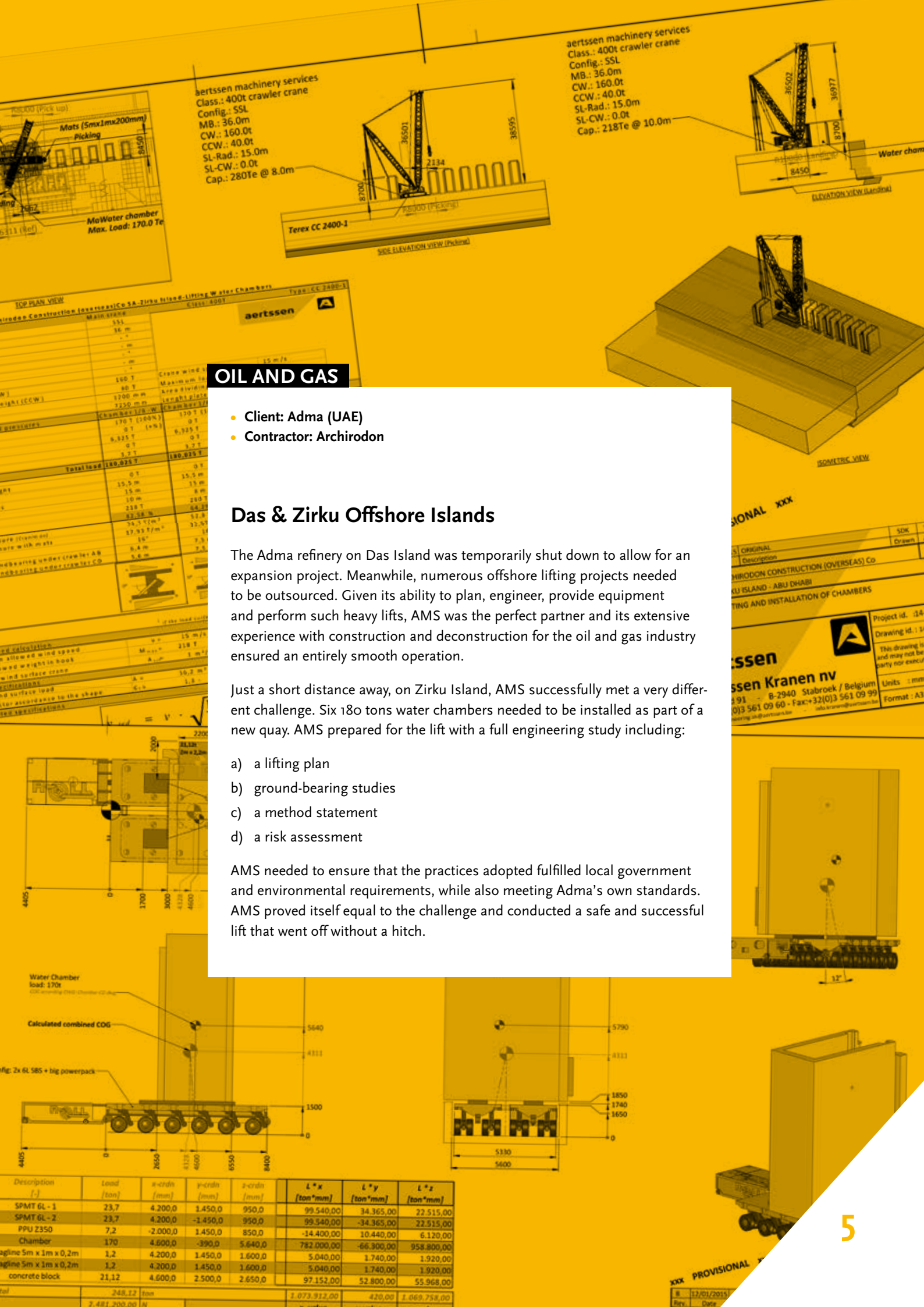
### Das & Zirku Offshore Islands

The Adma refinery on Das Island was temporarily shut down to allow for an expansion project. Meanwhile, numerous offshore lifting projects needed to be outsourced. Given its ability to plan, engineer, provide equipment and perform such heavy lifts, AMS was the perfect partner and its extensive experience with construction and deconstruction for the oil and gas industry ensured an entirely smooth operation.

Just a short distance away, on Zirku Island, AMS successfully met a very different challenge. Six 180 tons water chambers needed to be installed as part of a new quay. AMS prepared for the lift with a full engineering study including:

- a) a lifting plan
- b) ground-bearing studies
- c) a method statement
- d) a risk assessment

AMS needed to ensure that the practices adopted fulfilled local government and environmental requirements, while also meeting Adma's own standards. AMS proved itself equal to the challenge and conducted a safe and successful lift that went off without a hitch.







## CIVIL

- Client: TDIC (UAE)
- CONTRACTOR: WAAGNER BIRO

### Louvre Museum

The Louvre Museum is one of the most important projects in the development of the Abu Dhabi tourist sector. AMS is proud to have played a part in this by providing, erecting and operating a 600 tons crawler crane enabling steel structures to be installed during the construction of the museum building. Once this stage of the project was completed, AMS was then required to dismantle the cranes. Removing a 13.5 tons tower crane with a 135-metre radius is no simple task and necessitated detailed planning, considerable patience and an incredible level of care.

The museum's splendid interior is matched by a roof that is a work of art in itself. Weighing more than 7,000 tons, heavier therefore than the Eiffel Tower, and consisting of 400,000 pieces, this roof needed to be lifted and positioned using the utmost care.

AMS drafted extensive plans and also composed a 3D engineering simulation. Equipment needs were also discussed and the decision was made to ship a CC2800 crane from Belgium. This crane was constructed, tested and then used to place the roof on the museum with absolute precision. The job was completed ahead of schedule.



**AMS GETS DELIVERY OF THE  
FIRST TADANO GR1450 EX  
CRANE IN THE MIDDLE EAST:**

This 150 tons-capacity rough terrain crane is perfect for use in the oil and gas sector.

The crane, plus crane driver, is available for rent, and designed in particular for use in construction yards in the refinery/oil and gas business as well as land reclamation projects and large-scale infrastructure sites.

# Our equipment:

## Mobile and Rough Terrain Cranes

60 tm Boom truck

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30 tons Rough Terrain crane

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60 tons Rough Terrain crane

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80 tons Rough Terrain crane

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120 tons All Terrain crane

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145 tons Rough Terrain crane

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160 tons All Terrain crane

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220 tons All Terrain crane



## SPMT's

4 axle SPMT

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6 axle SPMT

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Turning table





## Crawler cranes

- 40 tons Crawler crane

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- 70 tons Crawler crane

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- 150 tons Crawler crane

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- 280 tons Crawler crane

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- 400 tons Crawler crane

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- 600 tons Crawler crane



## Low Bed Trailers

| Truck | Trailer                | Max. Payload |
|-------|------------------------|--------------|
| 6x4   | 3 axle low bed trailer | 45 tons      |
| 6x4   | 5 axle low bed trailer | 63 tons      |
| 6x4   | 3 axle low bed trailer | 70 tons      |
| 6x4   | 5 axle low bed trailer | 150 tons     |



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**[www.aertssen.ae](http://www.aertssen.ae)**



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