# Goldhofer

## SAFE, RELIABLE AND FLEXIBLE AIRCRAFT RECOVERY WITH ARTS

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AIRPORT TECHNOLOGY

MADE FOR YOUR MISSION

## ARTS – THE COST-SAVING AIRCRAFT RECOVERY AND TRANSPORT SYSTEM

Every year, more and more people travel by air. This means a constant increase in air traffic volume, leading to a higher frequency of take-offs and landings that airports have to cope with.

In this situation, a damaged airplane blocking a runway not only leads to delays for passengers, but can also result in quickly accumulating extra expenses for all involved.

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**MINOR DAMAGE** 



MAJOR DAMAGE



**MODULAR PLATFORM** 

## A BUSINESS CASE EMERGENCY – AND NEXT?

In an airport emergency, there is no room for mistakes. The damaged airplane must be recovered and removed as quickly as possible and without any extra damage, in order to keep costs at a minimum. This is where the Aircraft Recovery and Transport System (ARTS) comes into play. In close collaboration with international recovery specialists Goldhofer has developed ARTS as a global standard.

#### THE CASE:

- + Small passenger airport with a single runway.
- + A 330/70t, right tire bursted during the landing
- + The plane blocked the only runway for 5h Since there was no suitable equipment





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## MINOR AIRCRAFT DAMAGE A JOB FOR OUR DOLLIES!

A damaged airplane blocking a runway or the airport apron can have various causes, ranging, for example, from tire failure to a broken axle, a damaged rim or a locked brake.

Even in many of these minor-damage cases, however, spare parts are often not readily available and repairs cannot be carried out in a matter of minutes.



## **TIRE FAILURE DAMAGED RIMS BROKEN AXLES LOCKED BRAKES**

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Especially at highly frequency airports or airports with only one runway, a swift and efficient reaction to this situation is essential in order to prevent runway closure.

Our dollies ensure that operations are able to resume as quickly as possible, making them a musthave for airports around the world.





## MAJOR AIRCRAFT DAMAGE REQUIRES AN EFFICIENT RECOVERY SOLUTIONS

Major airplane damage, such as collapsed landing gears, often result in long runway closures – especially if the recovery equipment on the ground is insufficient or not readily available.

In most cases, this means time-consuming and costintensive recovery work that not only ties up both capital and human resources.

# COLLAPSED NOSE LANDING GEAR



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80% of all damages on aircraft involves the nose landing gear.

With Goldhofer, you are optimally equipped for all situations. While the basic package allows for on-tarmac recovery, the professional and premium solutions are ideal for off-tarmac recovery and can be extended with additional modules.

#### THE BASIC PACKAGE

+ For on-tarmac recovery

+ Towing vehicle needed

## TOWED HEAVY-DUTY MODULE + TURNTABLE

DOLLY + TURNTABLE

#### THE PROFESSIONAL SOLUTION

- + For on- and off-tarmac recovery
- + Towing vehicle needed
- + Hydraulic axle suspension
- + Small power pack for steering, braking and lifting



#### SELF-PROPELLED HEAVY-DUTY MODULE + TURNTABLE





## NOSE LANDING GEAR AND ONE MAIN LANDING GEAR



Increase the risk coverage by adding a wing support module to the front module of the professional or premium solution. This system allows you to recover aircraft with a damaged nose landing gear and one damaged main landing gear.



#### TURNTABLE + WING SUPPORT ON SELF-PROPELLED HEAVY-DUTY MODULE

#### THE PREMIUM SOLUTION

- + For on- and off-tarmac recovery
- + Self-propelled (no towing vehicle needed)
- + Hydraulic axle suspension
- + One single system for narrow- and widebody aircraft
- + Two big power packs for driving, steering, braking and lifting



## NOSE LANDING GEAR AND TWO MAIN LANDING GEARS



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The full recovery system is our recommended solution. Why? Because it offers full risk coverage and ensures that you are prepared for any kind of incident on the runway. Consisting of a front module and two wing support modules, it allows for a safe and fast recovery even with all landing gears damaged or torn off.



FULL RECOVERY SYSTEM ON SELF-PROPELLED HEAVY-DUTY MODULE

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#### THE PREMIUM SOLUTION

- + For on- and off-tarmac recovery
- + Self-propelled (no towing vehicle needed)
- + Hydraulic axle suspension
- One system for narrow- and widebody aircraft
- Three big power packs for driving, steering, braking and lifting



## **MODULAR PLATFORM** FOR YOUR SPECIFIC NEEDS

The individual systems can be expanded as required to cover even larger claims.







## GOLDHOFER ARTS GET IN TOUCH WITH US!

### GOLDHOFER AIRPORT TECHNOLOGY

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