



Super Jeeps in SAR

ICE-SAR's use of highly modified 4x4 super trucks.
What, how and why on earth?

A history of off-road driving

- The road system developed slowly.
- Started driving in and over the highlands in 1920's
- Jeeping started in the 1940's
- Modifications started in 1970's





What is a Super Jeep

A highly modified and properly drivable 4x4 vehicle on big tires (38" or more) capable of driving on deflated tires to float on snow.







Typical modifications

- Raising/cutting the boddy
- Modifying/building a new suspension system
- Lowering gears
- Installing differential locks
- Installing an extra gearbox
- Fitting bigger tires
- Engine modifications
- Extra fuel tanks, air pumps and tanks etc.



The anatomy of an ICE-SAR super jeep

Priority lights, worklights
and a remote controlled
search light

Kit boxes – Various kit

Multiple antennas

Underneath: Second
fuel tank, airtank, extra
heater.

Tires are 38-”52” The
most common being
44”



An airpump connected
to an airtank.

Engine tuned in
various ways.

Extra lights, front
back and sides.

Driveline Modified,
gears lowered, extra
gearbox, stronger
axles.

Rebuilt
suspension
system.

The anatomy of an ICE SAR super jeep



Onboard PC computer with 3G internet, navigational programs email and access to SAR command program and fleet control

GPS navigation hooked up to the computer.

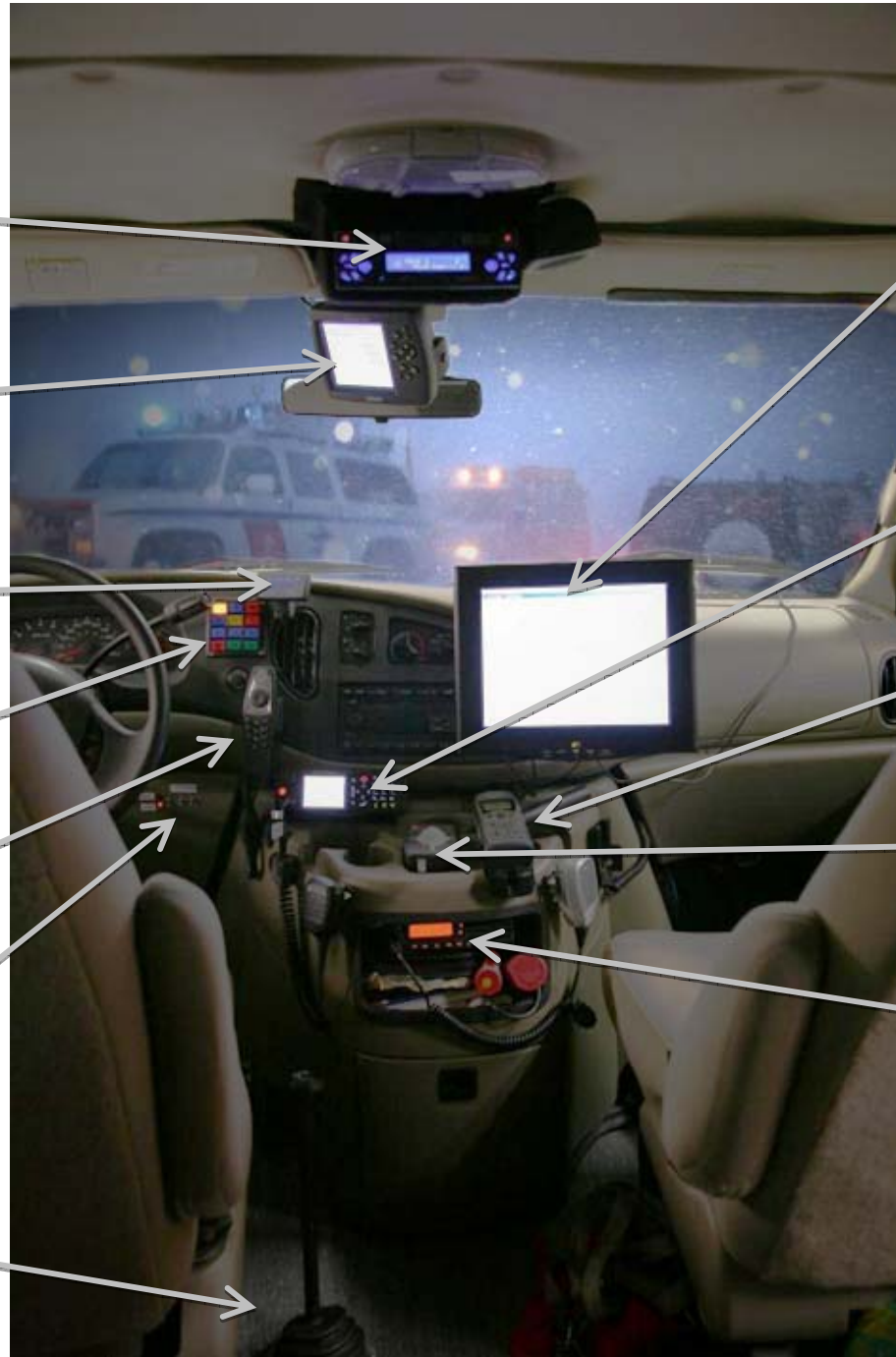
Handsfree mobile phone unit

Controlboard for lights, airpump, main switch etc.

GSM Mobile phone with data connection

Controls for diff locks and air suspension

Low and extra low gear lever



Touchscreen connected to the on-board computer

Digital radio (TETRA)

Irridium Sat phone

Remote for search lights

VHF radio

SuperJeeps in ICE-SAR

- Around 200 SuperJeeps
 - Different makes and models
 - 4-14 people
 - 38" - 52" tires
 - Different modifications for different use







Why?

- 
- 103.000 km²
 - 60% of the land above 400m
 - More than 11.000 km² of glaciers
 - Helicopter availability

www.f4x4.is















SLSAVARNAFÉLAGIÐ
LANDSBJÖRG





SLYSAVARNAFÉLAGIÐ
LANDSBJÖRG



So that was the what, how and why of ICE-SAR super jeeping...

ANY QUESTIONS?



Thank you for your attention

www.icesar.com | www.sosimage.com