



STATE OF THE FLEET

EXPECTED AND VIABLE IMPROVEMENT

14th Meeting on the Follow-up of the
Joint Statement on Guiding Principles on the Development of Inland Navigation
and Environmental Protection in the Danube River Basin

iCat – Tomislav Uroda

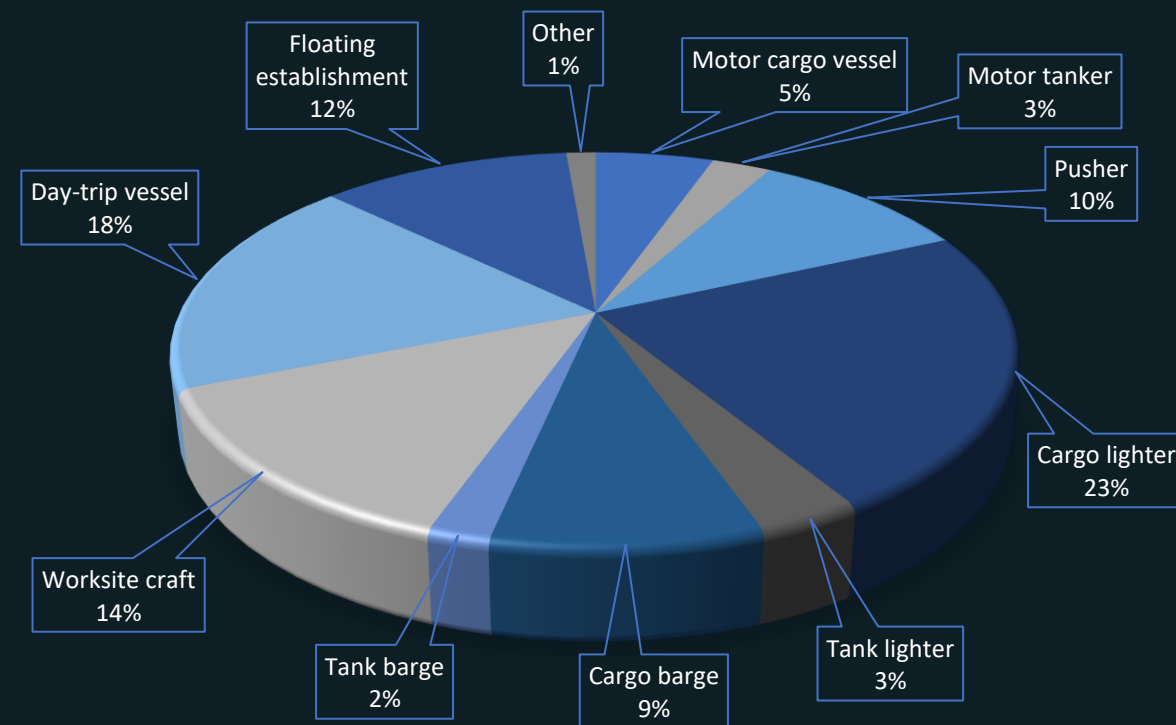
148 ACTIVE VESSELS OUT OF 204

Worksite craft	14%
Day-trip vessel	18%
Floating establishment	12%
Other	1%
Share of future fleet	45%



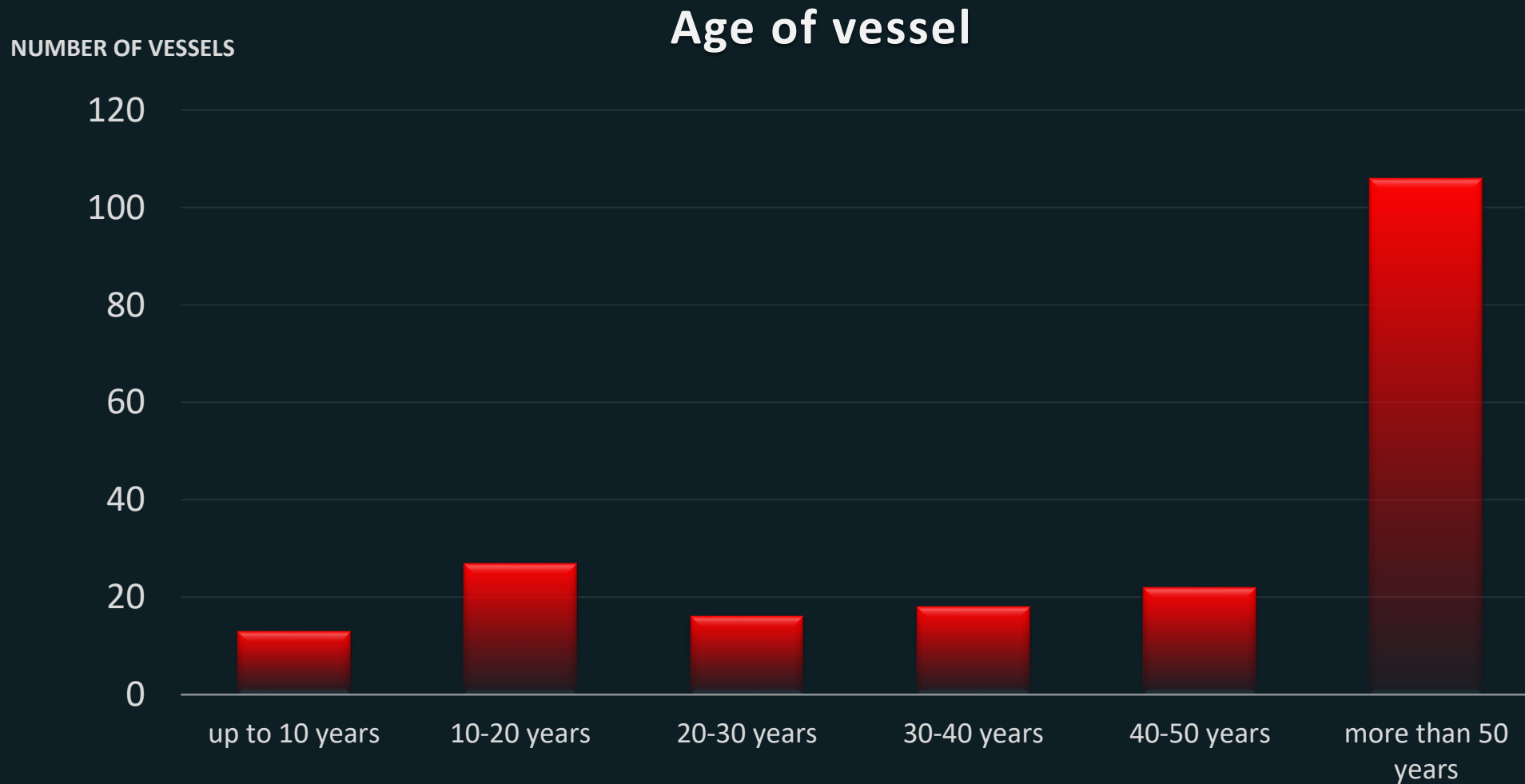
CROATIAN FLEET

SHARE OF THE FLEET

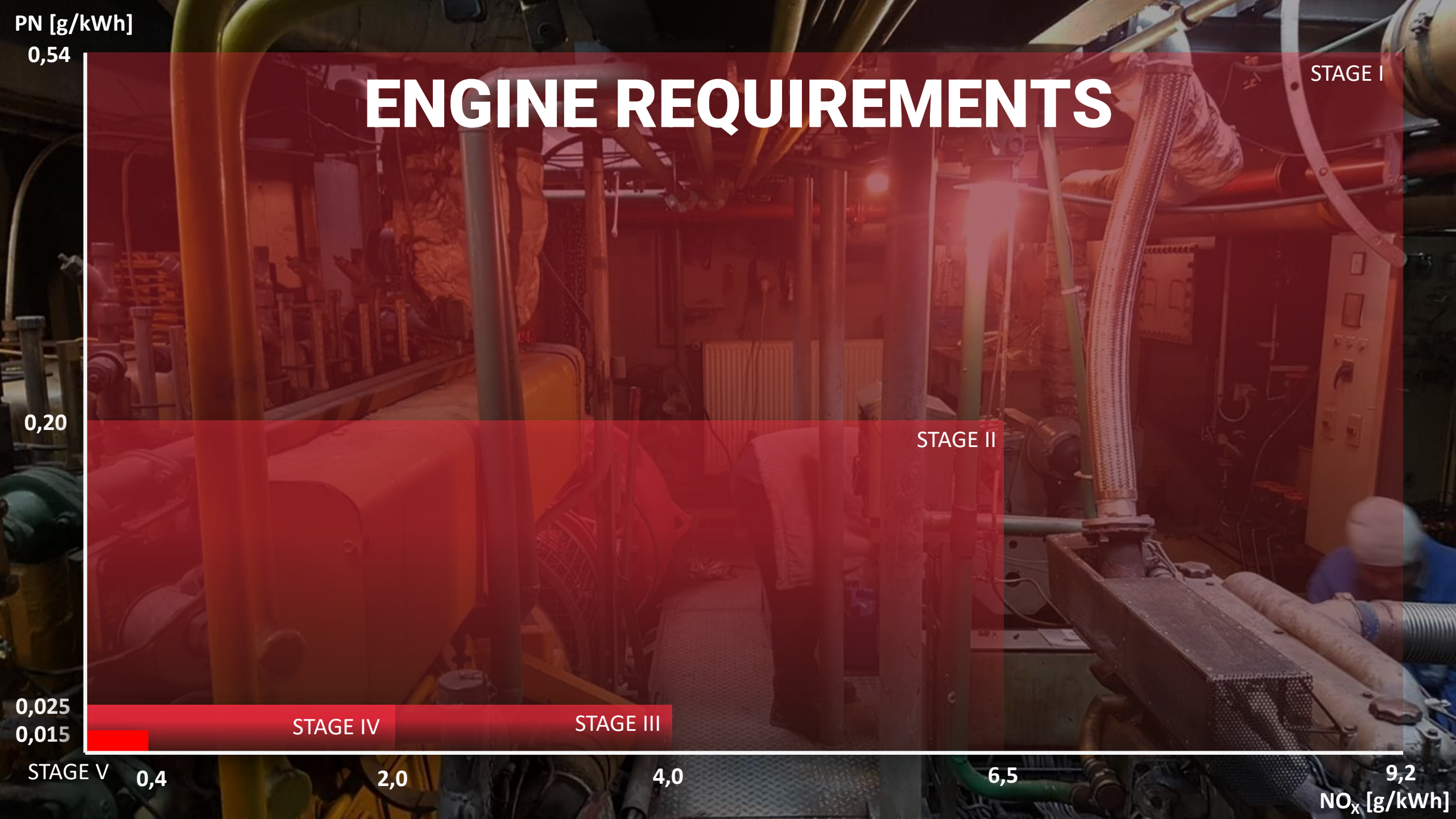


2018

AGING FLEET



162 VESSELS OLDER THAN 20 YEARS / OLDEST ONE 111 YEARS



ENGINE REQUIREMENTS

STAGE I

STAGE II

STAGE IV

STAGE III

STAGE V

PN [g/kWh]

0,54

0,20

0,025

0,015

0,4

2,0

4,0

6,5

9,2

NO_x [g/kWh]

FUTURE TRENDS

RESTRICTIONS

- Dredging is restricted and allowed only for the Governmental bodies
- Downsize of the economy and transport activity

CONSEQUENCES

- Uneven riverbed surface – limited sailing conditions
- Limited needs for the commercial vessels

SAILING GREEN

The background image shows a wooden boat with large windows moving along a river. The left side of the image is covered by a semi-transparent red overlay. The boat's windows reflect the surrounding landscape, which includes bare trees and a cloudy sky. The water is a light greenish-blue.

Tourism as a strategic direction of the Croatian government

- To renew day-trip vessels
- To expand fleet of day trip vessels
- To open new horizons in nature
- To introduce new services and products in tourist sector

**NEW
ACTIVITIES**

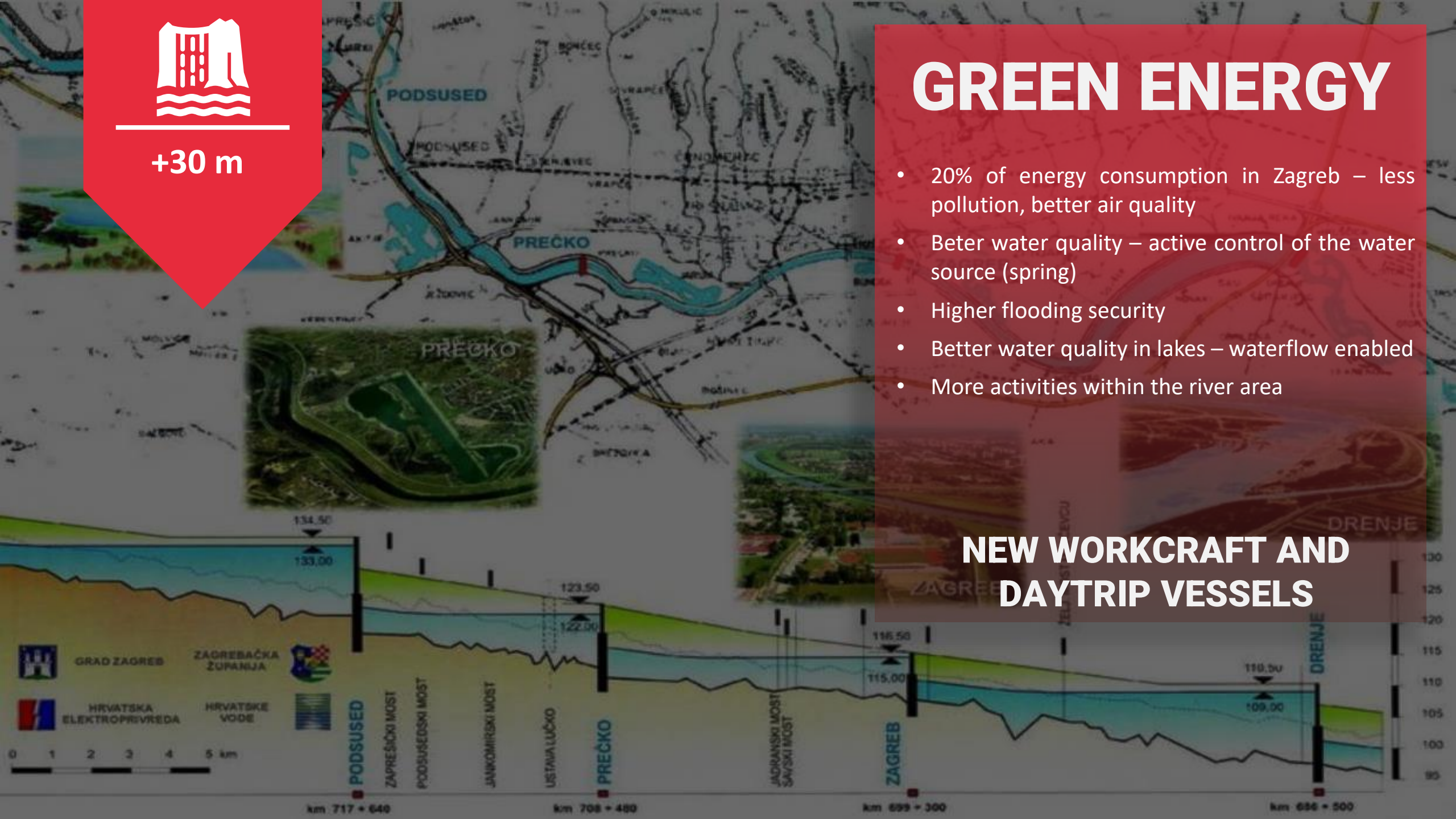


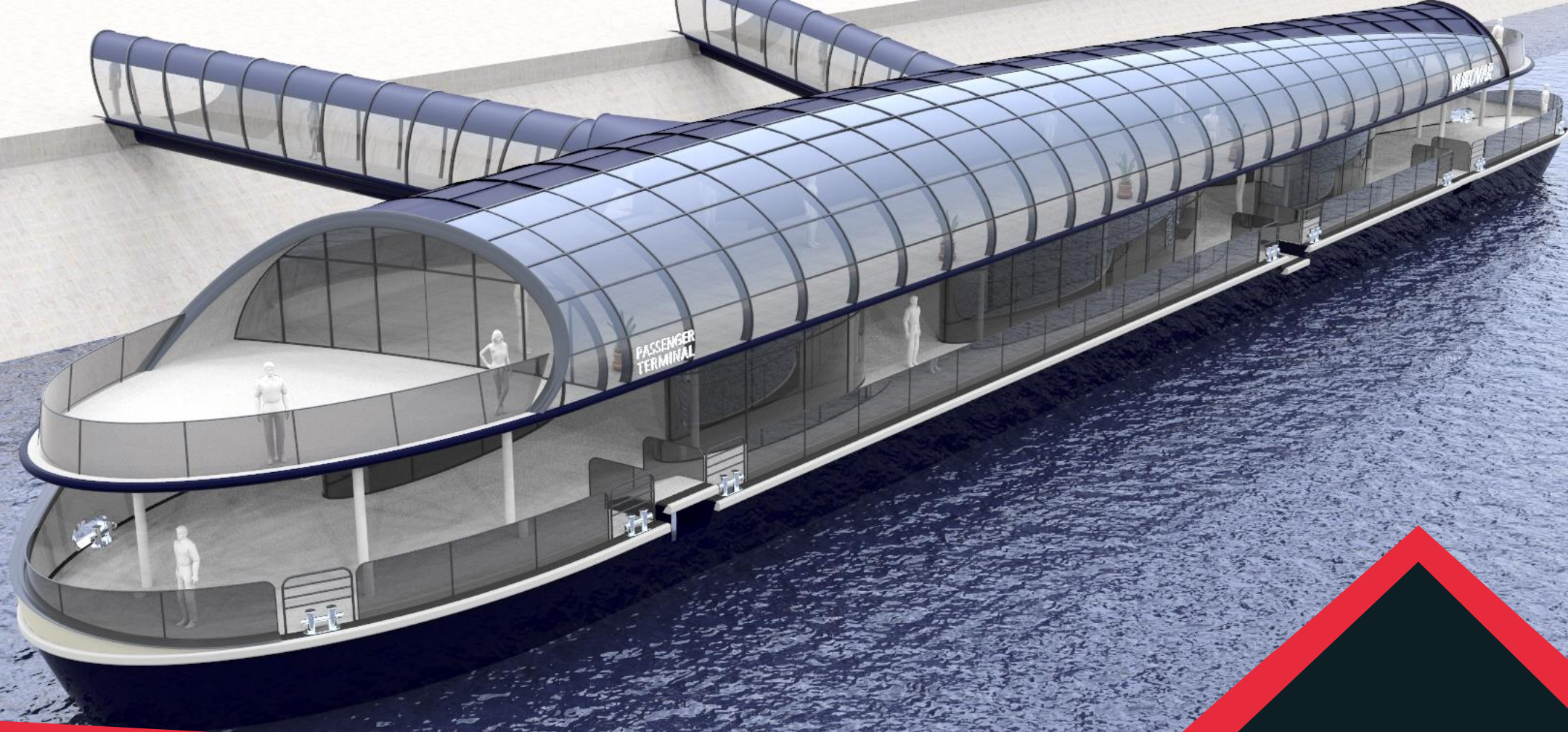
+30 m

GREEN ENERGY

- 20% of energy consumption in Zagreb – less pollution, better air quality
- Better water quality – active control of the water source (spring)
- Higher flooding security
- Better water quality in lakes – waterflow enabled
- More activities within the river area

NEW WORKCRAFT AND DAYTRIP VESSELS





iCat
designing future

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