

Double the River: Revitalizing Sudan's Landscape

The "Double the River" project aims to create a revolutionary water pipeline system. It will transport water from river deltas back upstream to drought-stricken regions in Sudan. This innovative approach will transform arid landscapes into lush, green areas.

 **by ahmed rehman**





Vision and Objectives

1

Revitalize Landscape

Enable agricultural growth, forestation, and ecosystem recovery in drought-stricken regions.

2

Build Pipeline

Construct a 300-500 km pipeline to transport water from river delta back upstream.

3

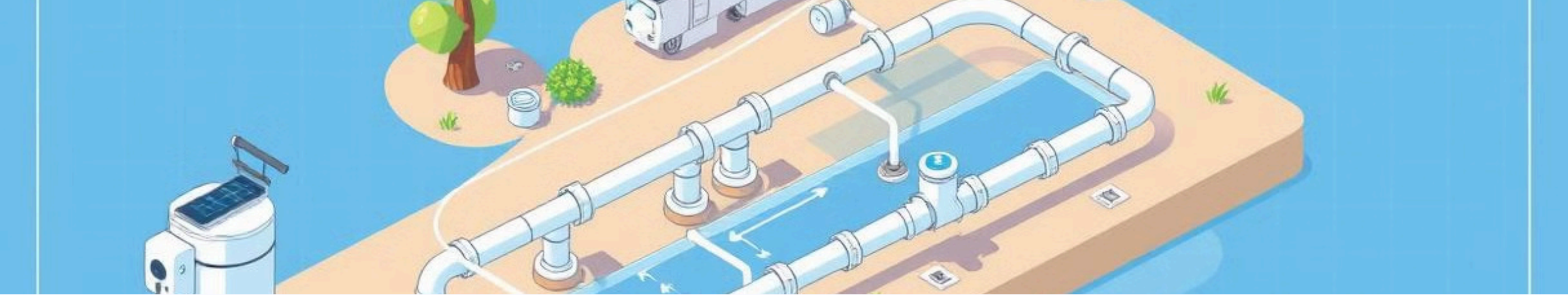
Create Small Creek

Fuel a 0.01 cubic meters per second stream to rejuvenate soil and ecosystems.

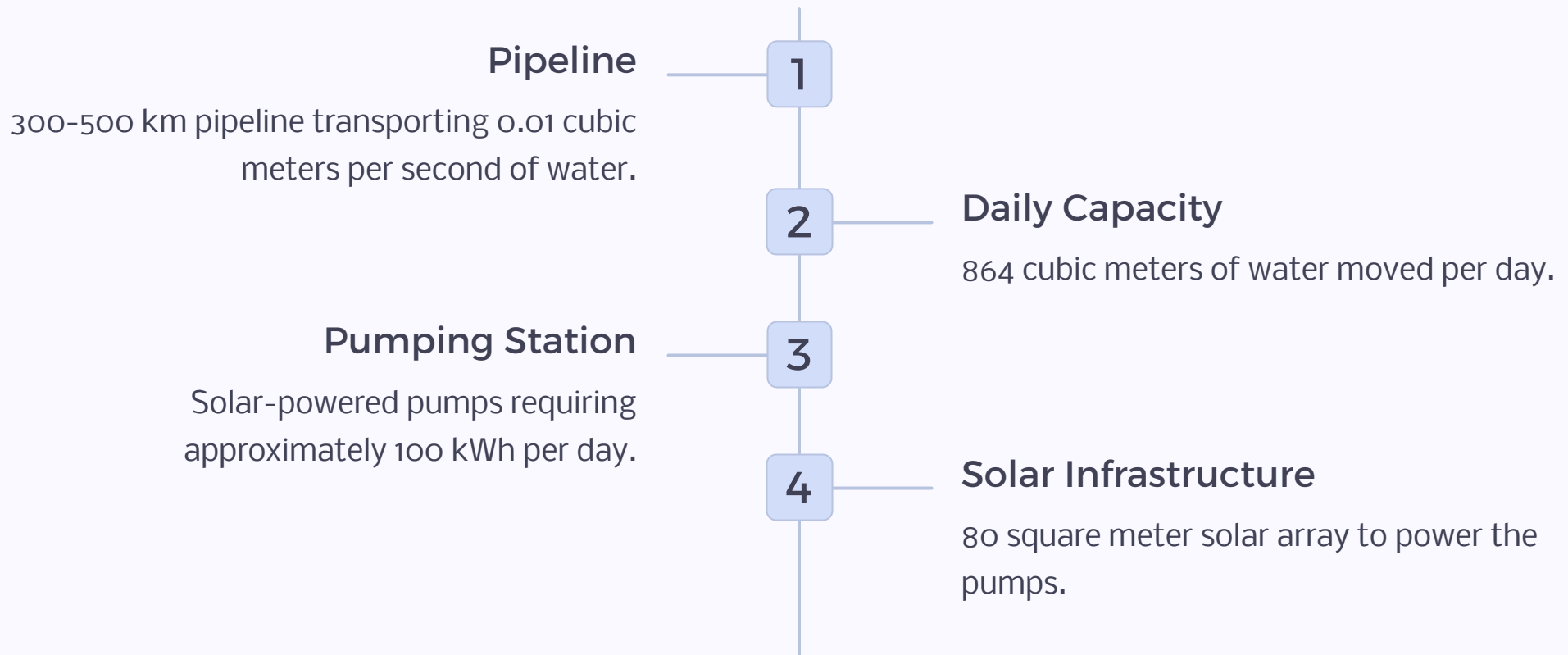
4

Power with Solar

Install solar power system to pump water, reducing operational costs.



Technical Overview



Budget Estimate

Pipeline Construction	\$30 to \$150 million
Solar Infrastructure	\$500,000 to \$1 million
Annual Maintenance	\$1-2 million



Economic and Social Impact

Agricultural Growth

New water source will irrigate farmland, improving local food security.

Community Benefits

Provides fresh water access, supports ecosystems, and creates jobs.

Climate Resilience

Greening landscape mitigates climate change effects and increases biodiversity.



Funding Requirements

Construction

Funding needed for pipeline and solar infrastructure implementation.

Operation

Ongoing costs for maintenance and staffing.

Total Range

Seeking \$30 to \$150 million for project realization.

Environmental Transformation



Landscape Transformation

Project will turn dry areas into thriving ecosystems.



Biodiversity Increase

New water source will support diverse flora and fauna.

Global Impact and Replicability

1

Sudan Pilot

Initial implementation in Sudan's drought-stricken regions.

2

Regional Expansion

Potential to expand to neighboring countries facing similar challenges.

3

Global Model

Project could become a blueprint for sustainable water management worldwide.

