



# PROJECT REF: CF 116

## MALTA SOUTH SEWAGE TREATMENT INFRASTRUCTURE

*Project Status Update*

**Monitoring Committee  
November 2010**

Ing. Stefan Cachia - delegated Project Leader



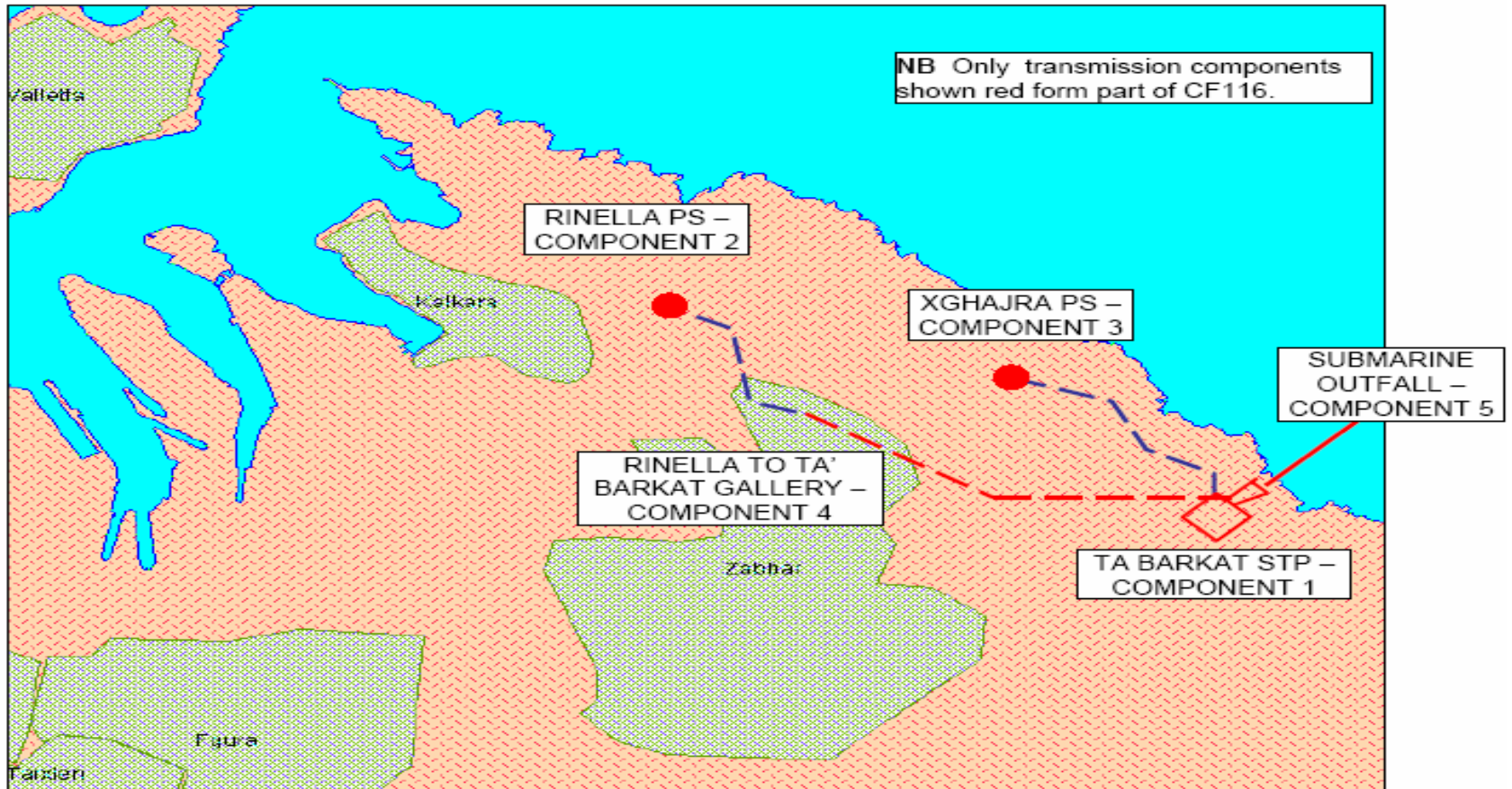
## Project Background

The proposed project is divided into five components:

1. The construction of a new UWWTP at Ta' Barkat limits of Xghajra
2. The construction of a new wastewater pumping station at Rinella in Kalkara
3. The upgrading of an existing wastewater pumping station in Xghajra
4. Construction of a new 1.7 km wastewater gallery from Rinella to Ta' Barkat limits of Xghajra
5. Construction of a 1 km submarine outfall



# Project Layout



## JASPERS Assistance

- In September 2008 JASPERS assistance was sought in connection with the finalization of the Application and CBA.
- JASPERS experts visited Malta 4 times with the average mission lasting 3 days.

## Application Status

- The Application was informally submitted to the Commission: December 2007; April 2008; August 2008; and April 2009.
- 2 July 2010 the project was submitted formally.
- The project is currently being appraised by the Commission.



## Project Objectives & Contributions to the OP

### Current Situation

- Circa 76% of Malta's wastewater is still being discharged untreated to sea.
- To date Malta has three wastewater treatment plants:
  - The Ras il-Ħobż plant in Gozo (Nov 2007)
  - Iċ-Ċumnija plant in the North of Malta (Oct 2008)
  - The Sant'Antnin plant in the South of Malta.
- The Sant'Antnin plant will be eventually de-commissioned with the load being transferred to the project.





## Project Objectives & Contributions to the OP (cont.)

The project will:

- Align Malta with the EU Urban Wastewater Directive 91/271/EC
- Restore bathing water quality in line with the Bathing Water Directive
- Eliminate all raw wastewater discharges to the sea
- Eliminate all bad odour emissions resulting from the raw wastewater discharge



## Indicators achievable at end of project

Output Indicator	Target
No. of liquid waste treatment plants constructed	1
Result Indicator	
% decrease in national wastewater effluent discharge	80
Total RES to be recovered from waste by 2015	8.67 GWhrs/annum
Status of coastal waters to the North East of Malta	Class 1
Impact Indicator	
Environment weighted average	Over 500% increase
No. of direct jobs created	20



## Problems Encountered

- Substantive studies required for Environmental Permitting Process.
- Adverse weather and hard rock delayed submarine pipeline in turn delaying plant start-up.

## Mitigation Measures

- Emphasis on balanced pre-qualification standards demanded from tenderers bidding for the construction contracts.
- Fast track FIDIC Design and Build contract conditions adopted for the Submarine Outfall and SSTP.
- Constant pressure was exerted on the contractors to allocate adequate resources on the various sites.





## Component 1 - SSTP





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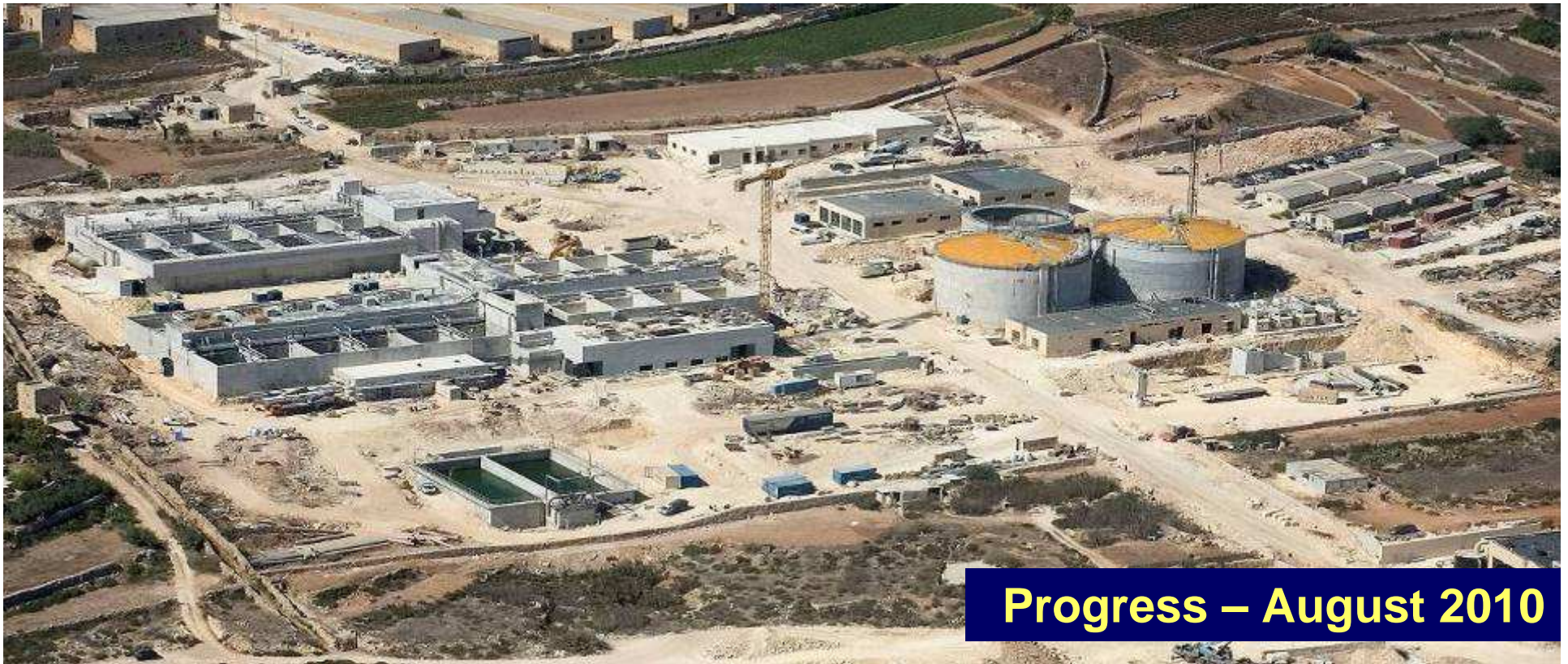


## Component 1 - SSTP





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## Component 1 - SSTP





## Component 2 – Rinella PS



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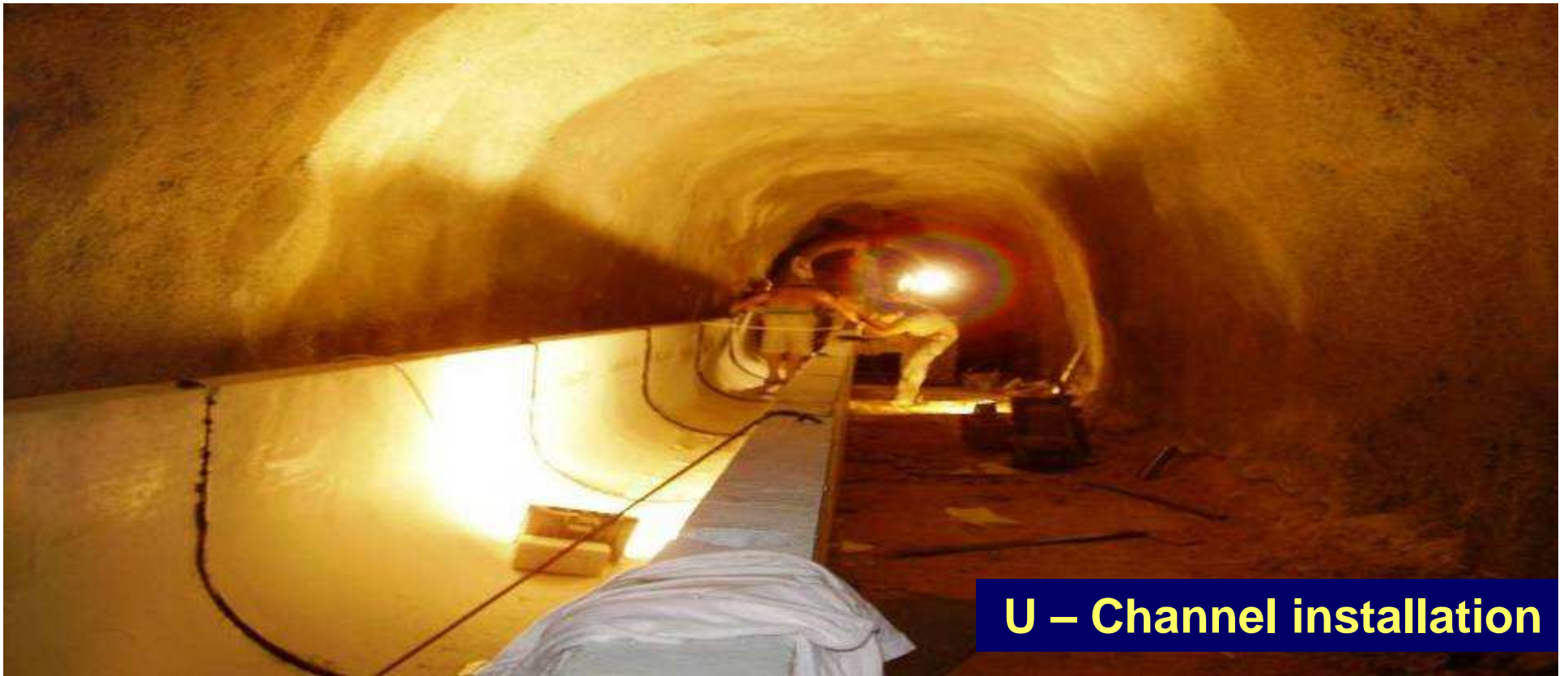


## Component 4 - Gallery





## Component 4 - Gallery



## Component 5 - Outfall





## Component 5 - Outfall



## Conclusion

Project Components	Completion Status
1. SSTP	91%
2. Rinella PS	98%
3. Xghajra PS	100%
4. Gallery	100%
5. Outfall	62%

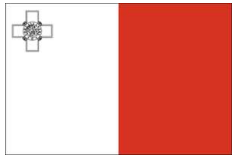
- Contracted amount:  
€68,471,770.06 public eligible
- Expenditure to date:  
**€59,034,518.47 public eligible**
- Project to reach full completion by March 2011
- Operation to commence in Jan 2011





# Thank you!

**Operational Programme I – Cohesion Policy 2007-2013**  
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**Event part-financed by the European Union**

**European Regional Development Fund (ERDF)  
Cohesion Fund (CF)**

**Co-financing rate: 85% EU Funds; 15% National Funds**



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