

SMaRT



Sand Mitigation around Railway Tracks

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a H2020 / MSCA / ITN / EID project

ESRs short secondment

ASTALDI Headquarters

Via G.V. Bona, 65

Rome – Italy

4 – 7 December 2017



Oxford University, UK



Politecnico di Torino, IT



OptiFlow Company, FR



Astaldi S.p.A.

Ansaldo STS
A Hitachi Group Company

Ansaldo STS S.p.A.



Reco – Slacef Group



Marie Skłodowska-Curie Action - Innovative Training Networks - European Industrial Doctorate
Sand Mitigation around Railways Tracks - SMaRT

ESRs' short secondment at Astaldi SpA



4 – 7 December 2017

Astaldi Headquarters - Via G.V. Bona, 65 – Rome - Italy

Agenda

- December 4th** Astaldi meeting room
- 14:00 – 14:30** **Welcome to the participants**
Roberto Sorge, Engineering and Design Department Manager at Astaldi
- 14.30 – 15.30** **Welcome and opening remarks: focused on science, addressed to industrial needs**
Luca Bruno, SMaRT scientific coordinator
Lorenzo Raffaele, PhD
- 15:30 – 18:30** **Technical course: Railway Body and Civil Works**
First training unit – first part. Railway Tracks and their components: design and construction
Lecturers:
Paolo Paoloni - Senior Advisor for railway and metro project at Astaldi
Patrizio Polidori - Railways and Roads Design Manager at Astaldi
- December 5th** Astaldi meeting room
- 10:00 – 12:30** **Technical course: Railway Body and Civil Works**
First training unit – second part. Railway Tracks and their components: maintenance and diagnosis
Lecturers:
Paolo Paoloni - Senior Advisor for railway and metro project at Astaldi
Patrizio Polidori - Railways and Roads Design Manager at Astaldi
- 12:30 – 14.00** *Lunch break*
- 14.00 – 18.30** **Technical course: Railway Body and Civil Works**
Second training unit – first part. Astaldi experience on Railway construction in desert areas worldwide: North Africa Region
Lecturers:
Paolo Paoloni - Senior Advisor for railway and metro project at Astaldi
Patrizio Polidori - Railways and Roads Design Manager at Astaldi

December 6th Astaldi meeting room

10:00 – 12.30 **Technical course: Railway Body and Civil Works**
Second training unit – second part. Astaldi experience on Railway construction in desert areas worldwide: Middle East Region

Lecturers:

Paolo Paoloni - Senior Advisor for railway and metro project at Astaldi

Patrizio Polidori - Railways and Roads Design Manager at Astaldi

12:30 – 14.00 *Lunch break*

14.00 – 18.30 **Technical course: Railway Body and Civil Works**
Third training unit – first part. Case study: hypothesis of intervention on Mécheria – Béchar railway in Algeria, in view of the 2nd stage short secondment

Lecturers:

Paolo Paoloni - Senior Advisor for railway and metro project at Astaldi

Patrizio Polidori - Railways and Roads Design Manager at Astaldi

Alessandro Ghezzi - Astaldi Project Manager in Algeria

December 7th Astaldi meeting room

10:00 – 12.30 **Technical course: Railway Body and Civil Works**
Third training unit – second part. Case study: hypothesis of intervention on Mécheria – Redjem Demouche railway in Algeria, in view of the 2nd stage short secondment

Lecturers:

Paolo Paoloni - Senior Advisor for railway and metro project at Astaldi

Patrizio Polidori - Railways and Roads Design Manager at Astaldi

Alessandro Ghezzi - Astaldi Project Manager in Algeria

12:30 – 14.00 *Lunch break*

14.00 – 18.30 **Technical course: Railway Body and Civil Works**
Workshop. Site visit along Mécheria – Redjem Demouche and Mécheria – Béchar railways in Algeria: development of methods and tools, in view of the 2nd stage short secondment

Lecturers:

Paolo Paoloni - Senior Advisor for railway and metro project at Astaldi

Patrizio Polidori - Railways and Roads Design Manager at Astaldi

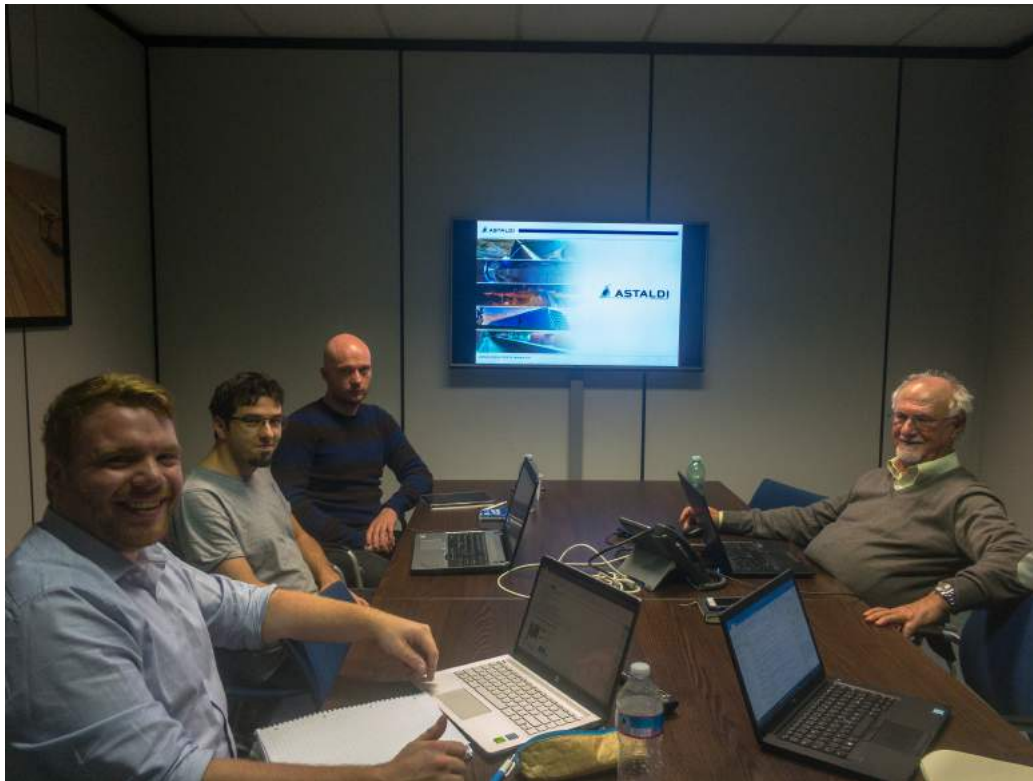
Alessandro Ghezzi - Astaldi Project Manager in Algeria

Early Stage Researchers attending the Technical Course:

Marko Horvat (ESR1) – Politecnico di Torino

Roberto Nuca (ESR2) – Optiflow Company

Ciaran Nash (ESR3) – University of Oxford



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From left to right: C. Nash (ESR3), M. Horvat (ESR1), R. Nuca (ESR2), P. Paoloni (Astaldi SpA)



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From left to right: C. Nash (ESR3), M. Horvat (ESR1), R. Nuca (ESR2), P. Polidori (Astaldi SpA)