

RETE GARR



Consortium
GARR

THE ITALIAN
EDUCATION
& RESEARCH
NETWORK

Update realizzazione rete trasmissiva GARR-T

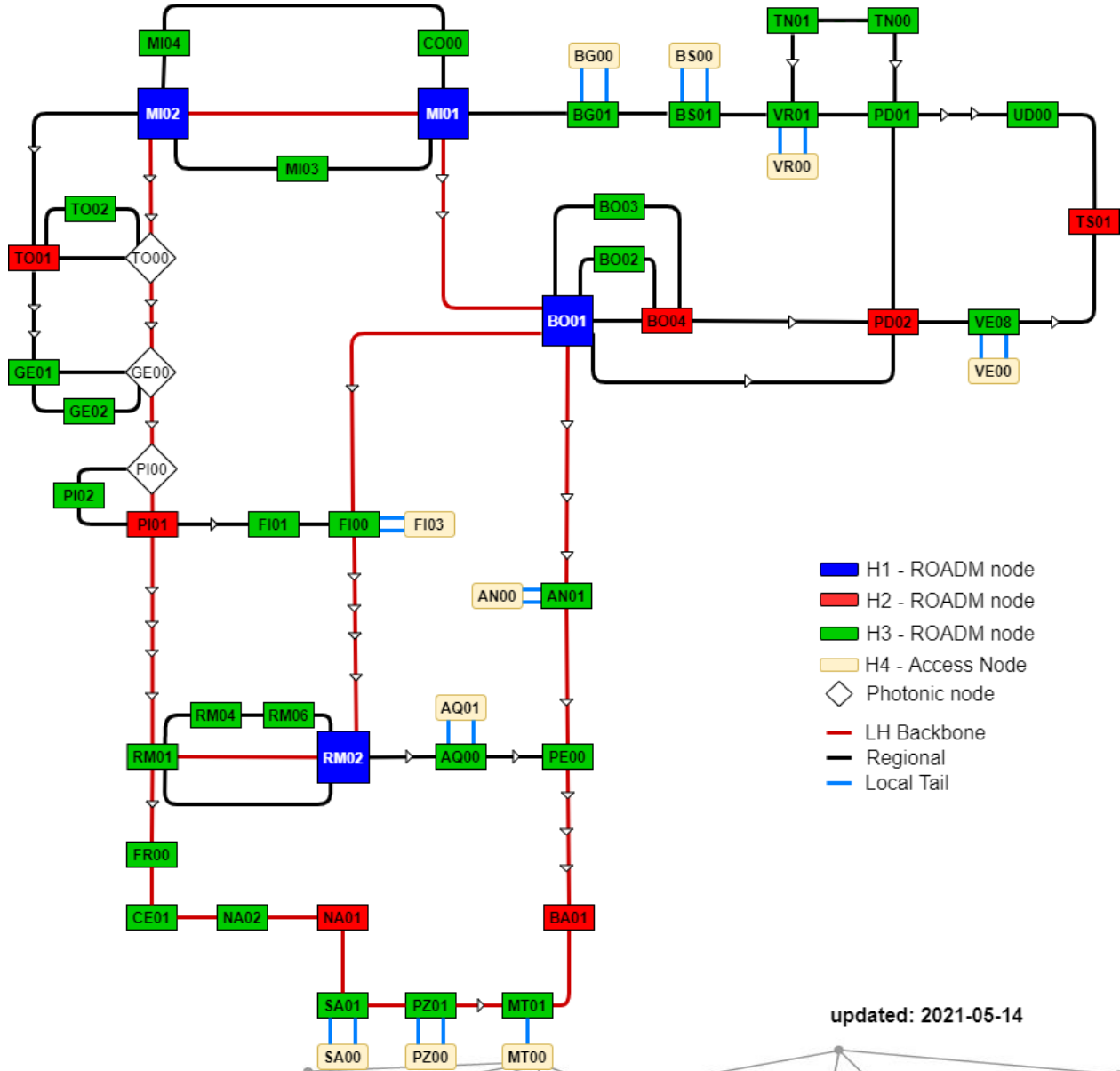
GARR-T TF OTTICA

20/10/2021

GARR-T 2° WS APM



Rete Trasmissiva: GARR-T

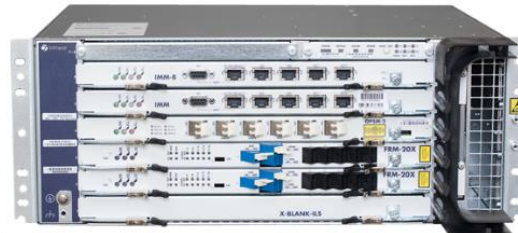


updated: 2021-05-14



Open Line System

FlexILS



Data Center Interconnect

Groove G30



CHM1T

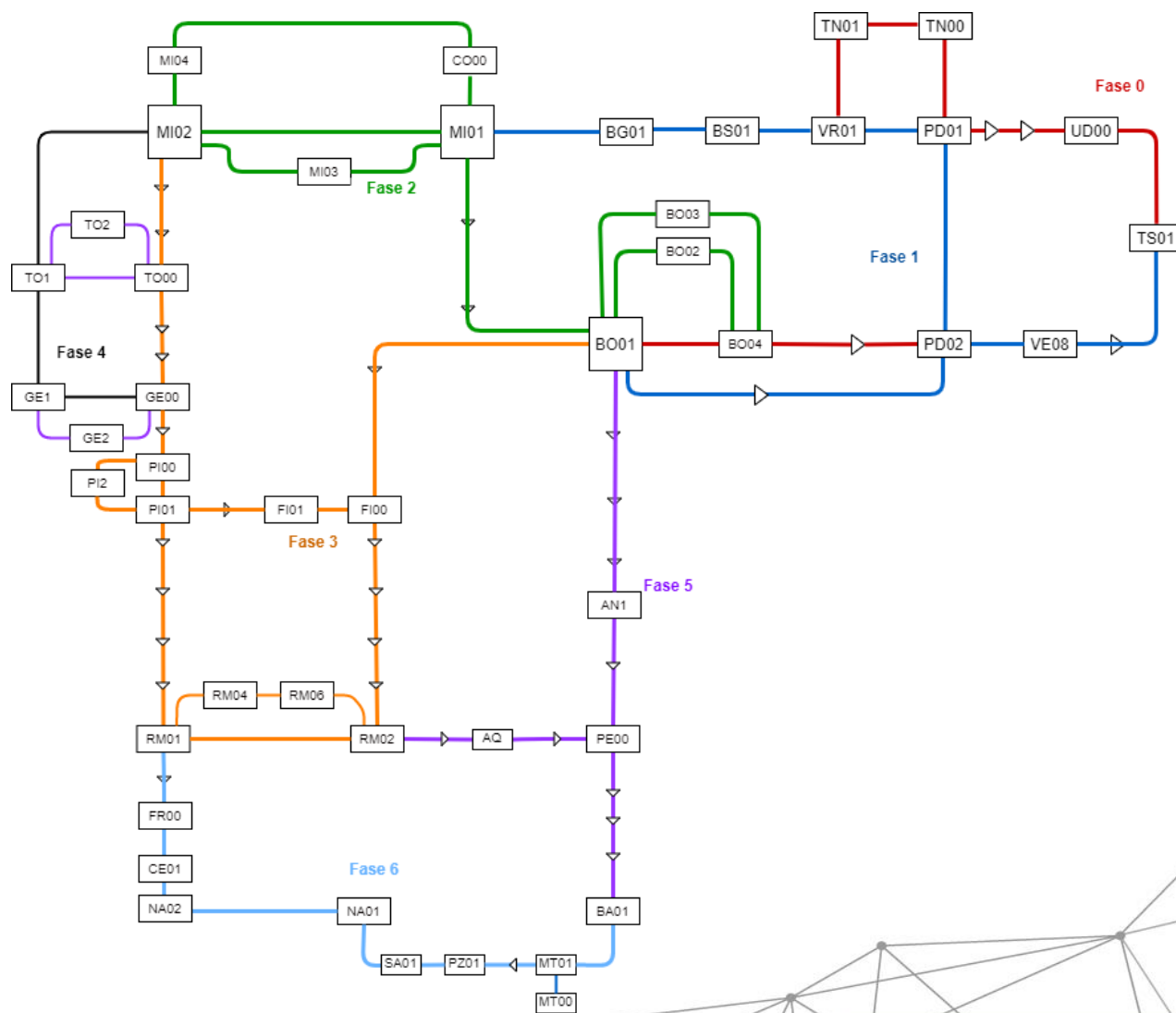


CHM2T



Update realizzazione rete trasmissiva GARR-T: Highlights

- **Sistema di Controllo e Gestione** : collaudato e operativo
- **Laboratorio GARR (hw & sw)**: collaudato e operativo
- **Nodi di Field Trial**: collaudati e presi in carico
- **Field Trial**: completato con esito positivo
- **Fase 0**: dispositivi disponibili in corso installazioni
- **Fase 1**: in corso progettazione esecutiva --> installazioni previste 11/21
- **Fase 2**: in corso progettazione esecutiva --> installazioni previste 12/21
- **Studio soluzione interconnessione siti H4**: in corso validazione in Lab GARR

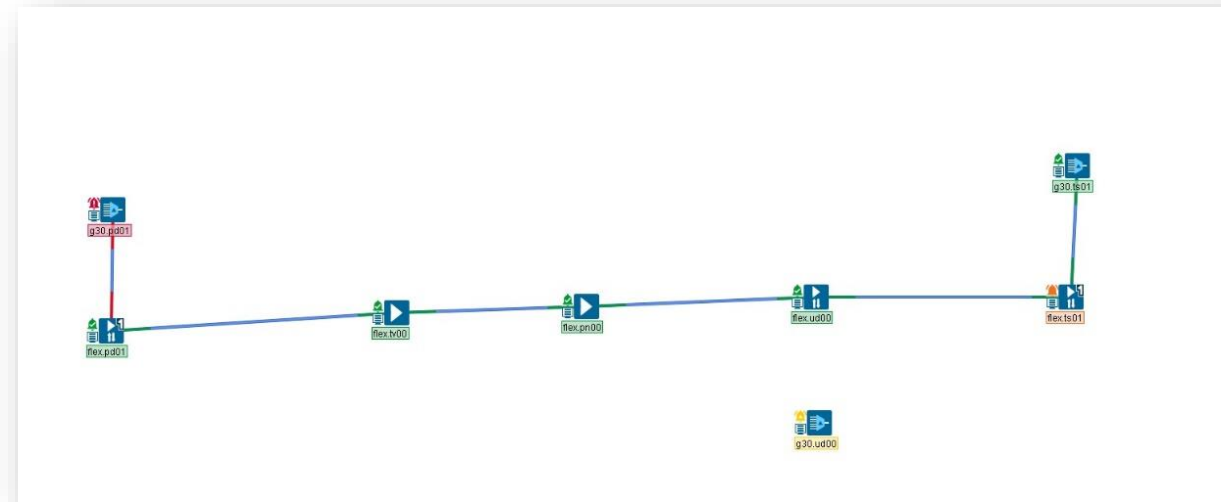
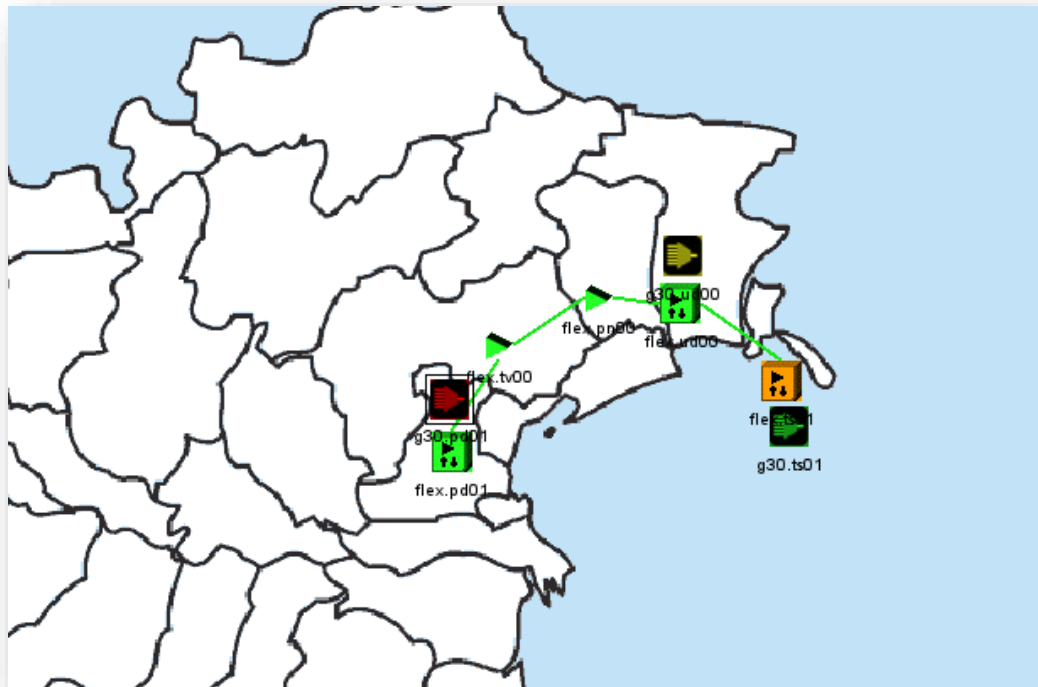


Completato Field Trial gara 2003

Completato con **esito positivo** field trial tra nodi di Trieste, Udine e Padova (S.Francesco)

Test eseguiti tra il 13 e il 17 settembre 2021

- piattaforme HW e SW
- servizi evoluti
- impianti
- capacità di realizzazione




Siti	Tipologia	Gerarchia	Servizi Client
TS01	ROADM	H2	100GEth
UD00	ROADM	H3	100GEth
PD01	ROADM	H3	100GEth / 400GEth
TV00	ILA	//	//
PN00	ILA	//	//


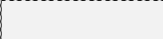

Stato realizzazione nodi rete trasmissiva GARR-T

UPDATED: 19/10/2021

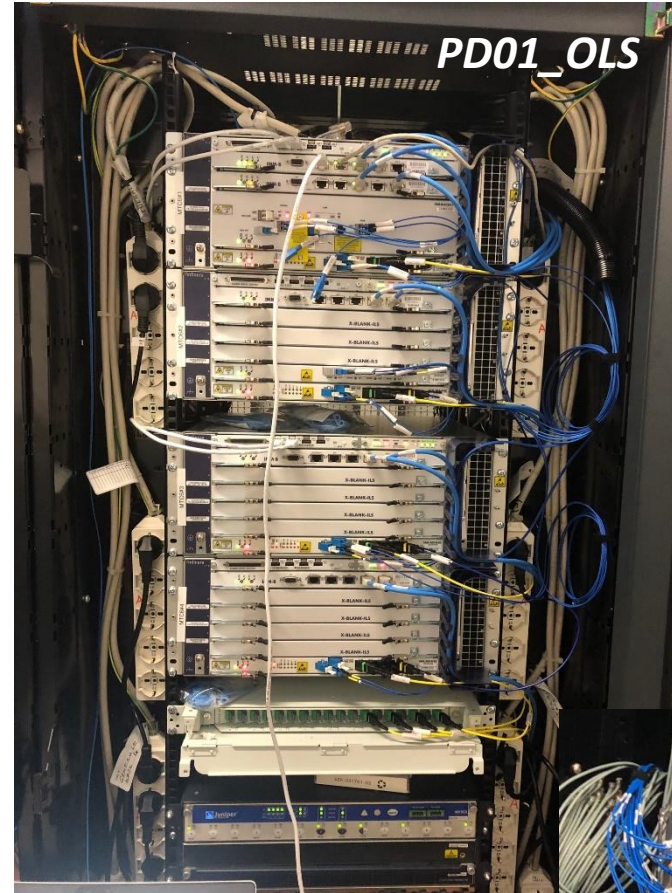
fase	nodi	c/o	tipologia	progetto esecutivo	consegna elementi	installazione	configurazione e collaudo	attivazione ottica tratte
NMS	RM1	GARR	sw	completed	100%	completed	completed	n.a.
NMS	RM2	GARR	sw	completed	100%	completed	completed	n.a.
NMS	LabGARR	GARR	sw	completed	100%	completed	completed	n.a.
Field Trial	PD01-S.Francesco	GARR	roadm	completed	100%	completed	completed	25%
Field Trial	PN00-S.Valentino	Telco	ila	completed	100%	completed	completed	100%
Field Trial	TS01-Valerio	GARR	roadm	completed	100%	completed	completed	50%
Field Trial	TV00-Volta	Telco	ila	completed	100%	completed	completed	100%
Field Trial	UD00-Rizzi	GARR	roadm	completed	100%	completed	completed	100%
Field Trial	ZZ00-LabGARR	GARR	roadm	completed	100%	completed	completed	n.a.
Fase 0	BO01-Morassutti	GARR	roadm	completed	100%	ready to start	ready to start	
Fase 0	BO04 -Lepida	GARR	roadm	on hold	100%	on hold	on hold	
Fase 0	FE01- Costabili	Telco	ila	completed	100%	completed	in progress	0%
Fase 0	PD02-Spagna	GARR	roadm	completed	100%	in progress	ready to start	
Fase 0	TN00-Briamasco	GARR	roadm	completed	100%	in progress	ready to start	
Fase 0	TN01-Povo	GARR	roadm	completed	100%	in progress	ready to start	
Fase 0	TN02-Ala	Telco	ila	completed	100%	ready to start	ready to start	
Fase 0	VI00-S.Martino	Telco	ila	on hold	100%	on hold	on hold	
Fase 0	VR01-S.Michele	Telco	roadm	completed	100%	completed	in progress	33%
Fase 1	BG01-Campagnola	Telco	roadm	in progress	80%	planned 11/21	planned 11/21	
Fase 1	BS01-Kennedy	Telco	roadm	in progress	80%	planned 11/21	planned 11/21	
Fase 1	MI01-Lancetti	Telco	roadm	in progress	80%	planned 11/21	planned 11/21	
Fase 1	RO00-Goldoni	Telco	ila	in progress	80%	planned 11/21	planned 11/21	
Fase 1	VE08-Torino	Telco	roadm	in progress	80%	planned 11/21	planned 11/21	
Fase 1	VE09-Portogruaro	Telco	ila	in progress	80%	planned 11/21	planned 11/21	
Fase 2	BO02-Casalecchio	GARR	roadm	planned 11/21	80%	planned 12/21	planned 12/21	
Fase 2	BO03-Gobetti	GARR	roadm	planned 11/21	80%	planned 12/21	planned 12/21	
Fase 2	CO00-Insubria	GARR	roadm	planned 11/21	80%	planned 12/21	planned 12/21	
Fase 2	MI02-Caldera	MIX	roadm	planned 11/21	80%	planned 12/21	planned 12/21	
Fase 2	MI03-Colombo	GARR	roadm	planned 11/21	80%	planned 12/21	planned 12/21	
Fase 2	MI04-Bovisa	GARR	roadm	planned 11/21	80%	planned 12/21	planned 12/21	
Fase 2	PC00-Piacenza/A	Telco	ila	planned 11/21	80%	planned 12/21	planned 12/21	
Fase 2	RE00-ReMancasale	Telco	ila	planned 11/21	80%	planned 12/21	planned 12/21	

Time Plan complessivo rete ottica GARR-t (gara opt – 2003)

		2021												2022												2023											
		Q1			Q2			Q3			Q4			Q1			Q2			Q3			Q4			Q1		Q2									
		1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6						
field trial																																					
field trial apparati ottici - gara 2003																																					
fase realizzativa																																					
opt - 2003	fase 0																																				
opt - 2003	fase 1																																				
opt - 2003	fase 2																																				
opt - 2003	fase 3																																				
opt - 2003	fase 4																																				
opt - 2003	fase 5																																				
opt - 2003	fase 6																																				
update: 14/10/2021																																					

	slot pianificato
	deadline da capitolato
	slot di ritardo

Nodi Field Trial



Thanks



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