

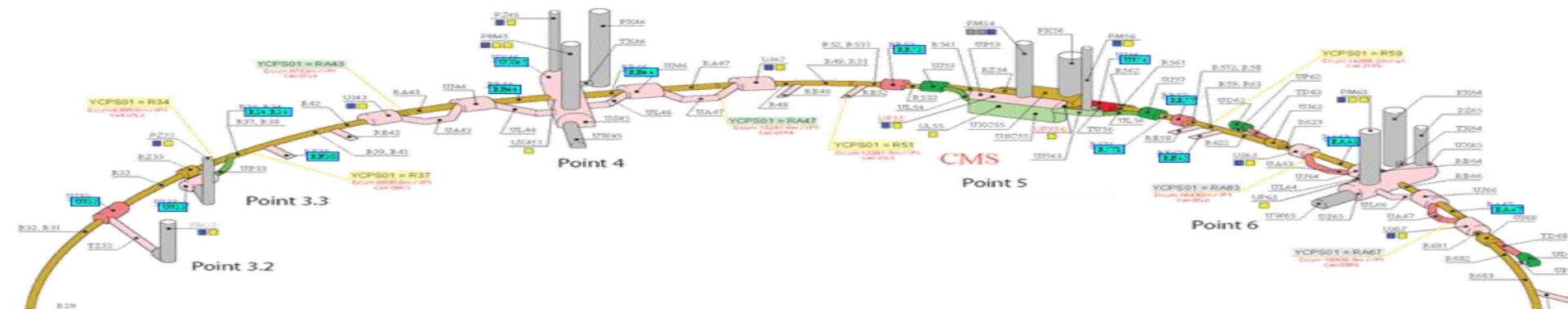
WorldFIP optical repeaters | status

Doubling of QPS WorldFIP infrastructure -> Increased need for repeaters

Feb 2013: 66 repeaters ordered to HLP; never delivered

Feb 2014: HLP announced eminent closure

Jun 2014: 40 of the repeaters needed for QPS LS1 tests



WorldFIP optical repeaters | status

Doubling of QPS WorldFIP infrastructure -> Increased need for repeaters

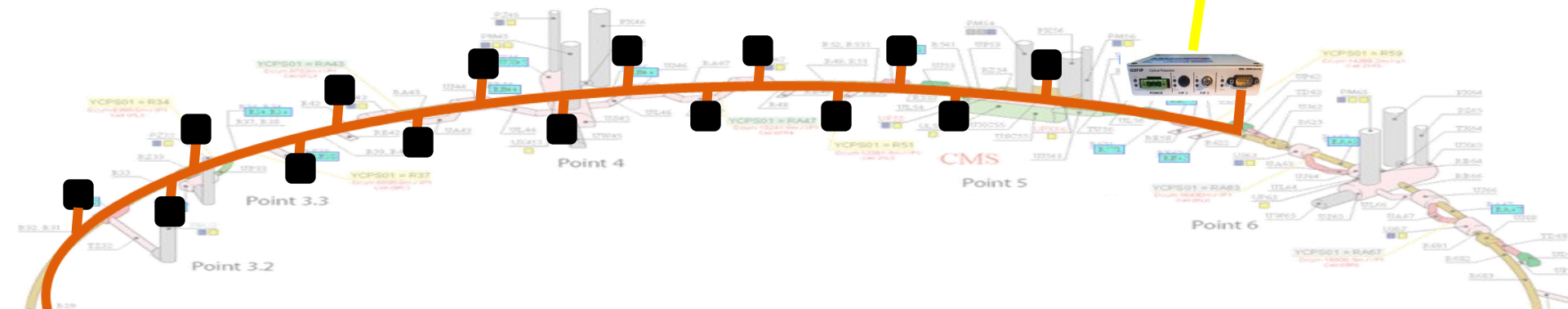
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fiber



WorldFIP optical repeaters | status

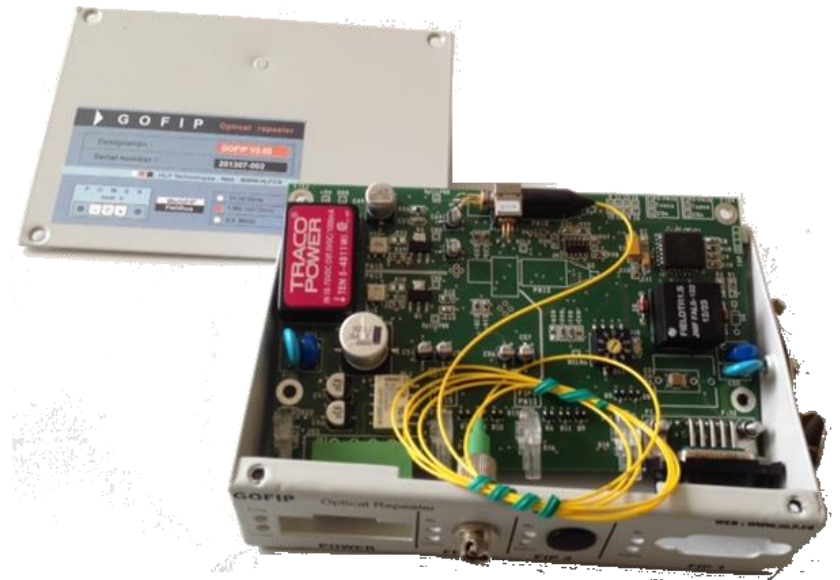
Mar 2014: Purchased HLP design files

Purchased 110 PCBs from HLP and all the components

Built and validated 2 prototypes by hand at CERN

May 2014: Expecting 40 units

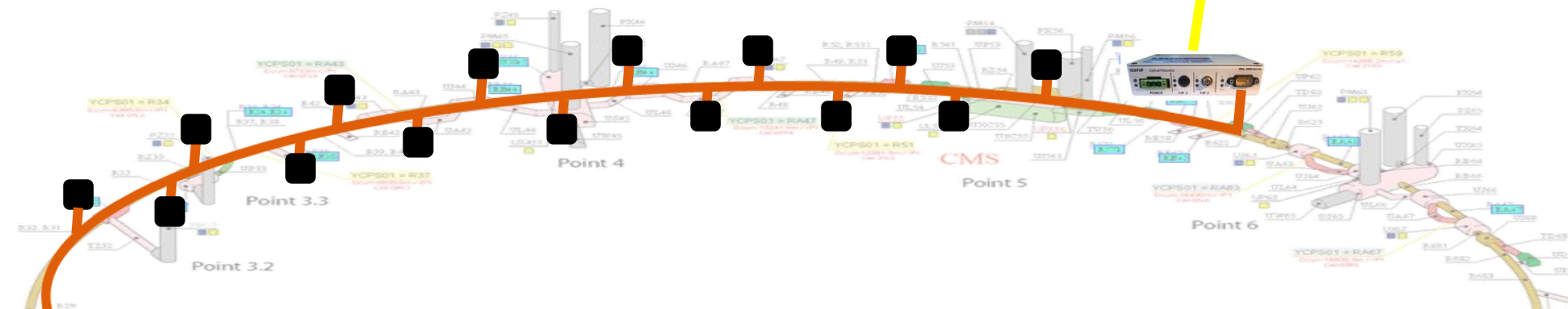
Jun 2014: Installation



WorldFIP optical repeaters | status

Discussed alternative for LS1 QPS tests

Removal of repeaters; gateway directly in the tunnel

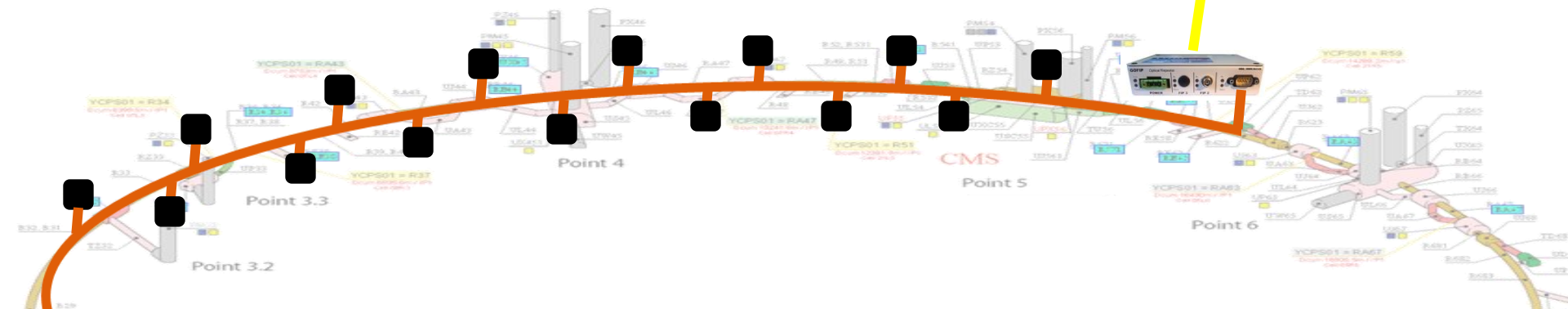


WorldFIP optical repeaters | status

Discussed alternative for LS1 QPS tests

Removal of repeaters; gateway directly in the tunnel

Solution validated, but will not be needed



WorldFIP optical repeaters | status

April 2014

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	4	5
6	7	8	9	10	11	12
13	14	15	16	17	18	19
20	21	22	23	24	25	26
27	28	29	30			

→ Production Order

May 2014

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				1	2	3
4	5	6	7	8	9	10
11	12	13	14	15	16	17
18	19	20	21	22	23	24
25	26	27	28	29	30	31

→ 40 boards delivered

June 2014

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
1	2	3	4	5	6	7
8	9	10	11	12	13	14
15	16	17	18	19	20	21
22	23	24	25	26	27	28
29	30					

→ First Installation

No expected delay to the LS1 schedule