



# Monitoring a regional/local DAB+ network

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DAB+ network architect - digris

The 'digris' logo is positioned in the bottom right corner, featuring the word 'digris' in a bold, black, lowercase sans-serif font. The background behind the text consists of several vertical bars of varying heights, creating a stylized bar chart effect.

**digris**

# digris DAB+ architecture

HeadEnd

All the headend is hosted in a Tier III data-center with all necessary **security** and **redundancy**.

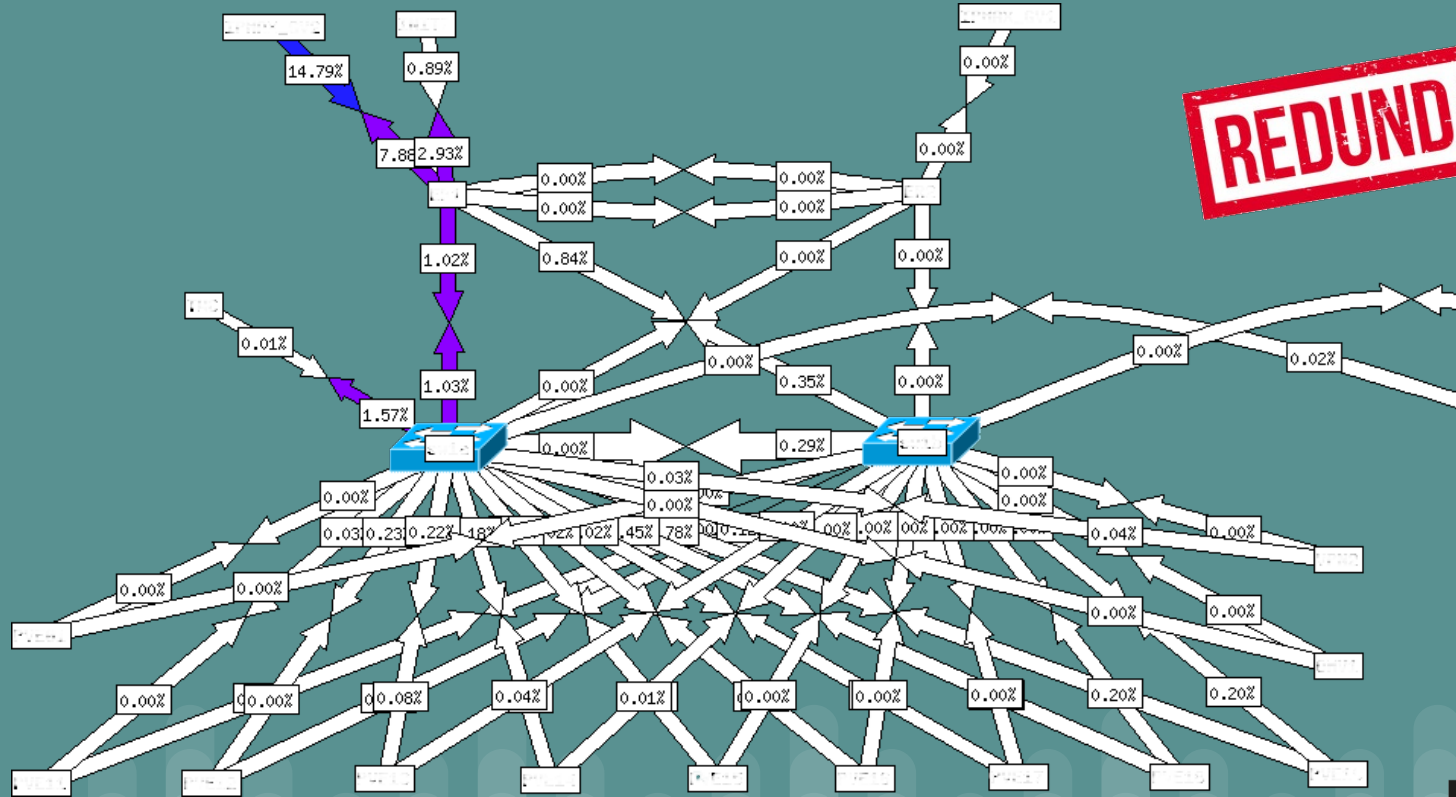
- Strict access control
- Electrical system redundancy N+1
- Cooling redundancy N+1



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# digris DAB+ architecture

HeadEnd IP network



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# digris DAB+ architecture

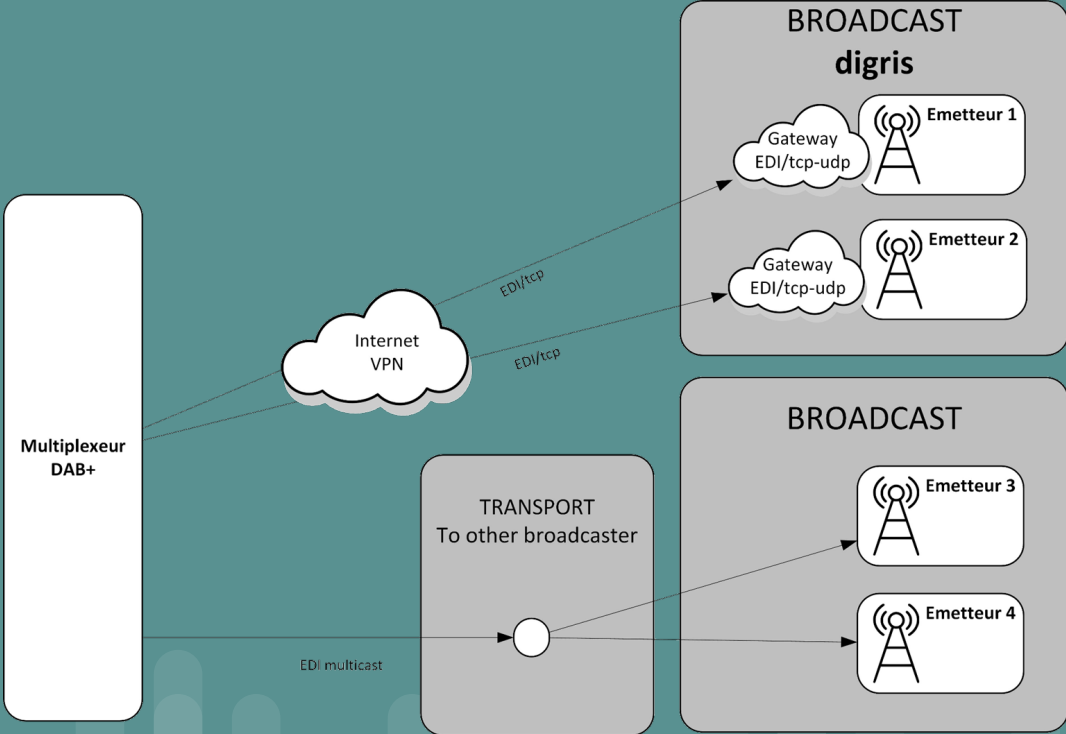
## Transport

From the HeadEnd to broadcast site

Full EDI transport

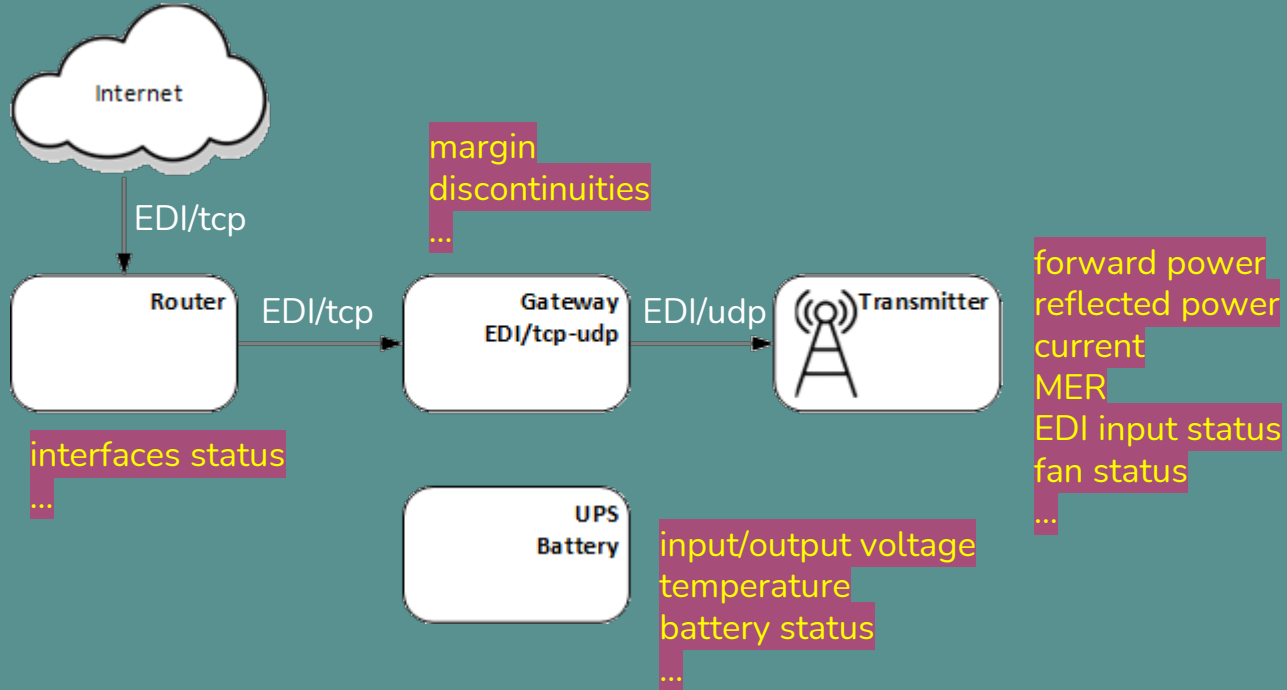
EDI/tcp over internet

EDI/udp over dedicated link



# digris DAB+ monitoring

Which sensor ?

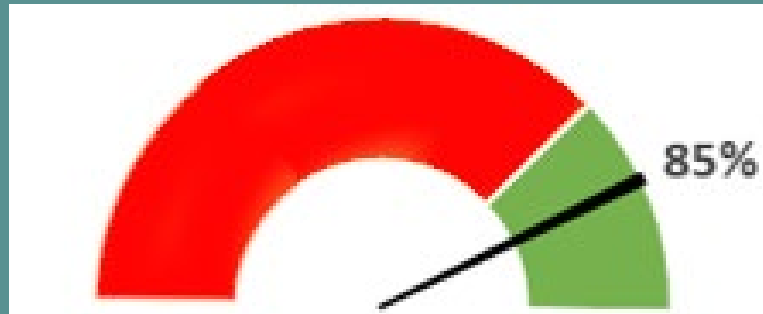


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Which sensor ?

The minimum to monitor

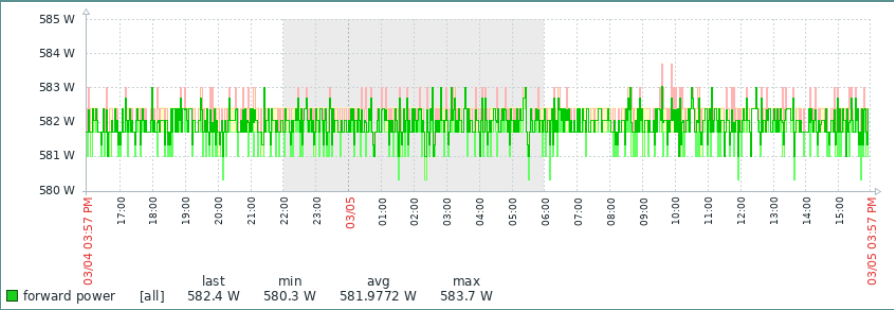
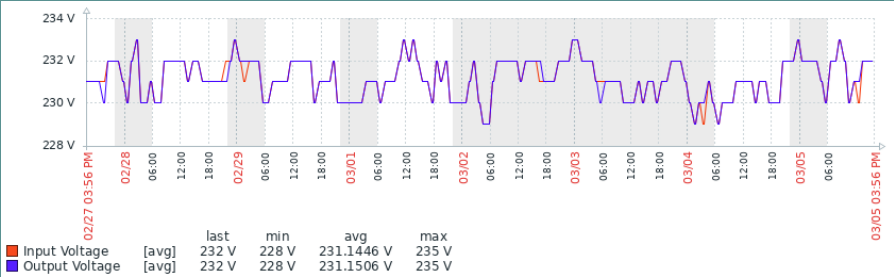
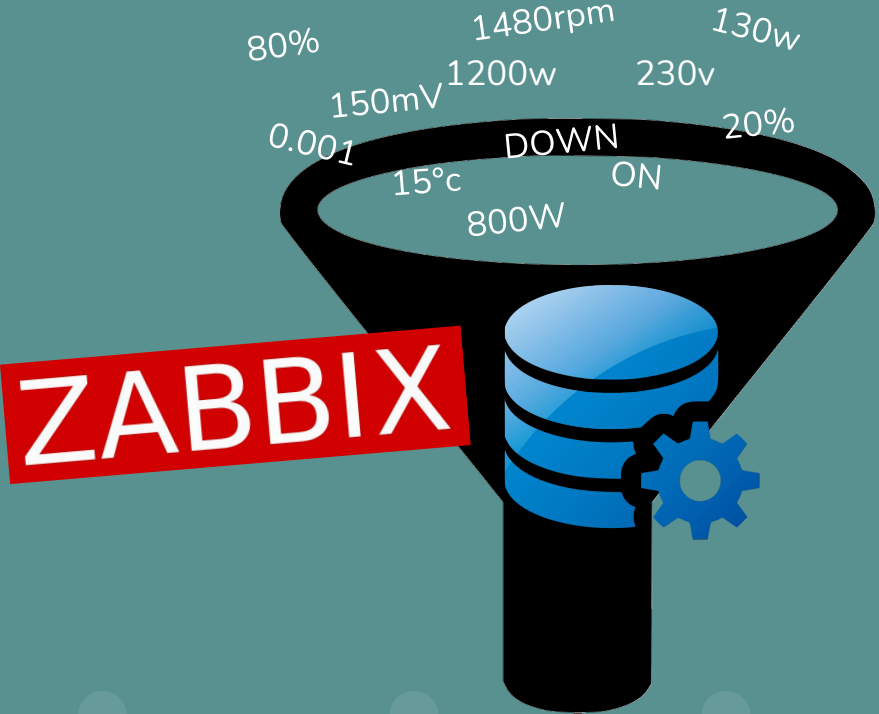
Is your transmitter **broadcast** to the nominal power ?



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Collect



Triggers

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## Triggers

if NetworkType = SFN then:

if Margin + ProcessingDelay < \$TotalDelay\_min:  
Alarm !

if Margin + ProcessingDelay > \$TotalDelay\_max  
Alarm !

Target	Expression
<input checked="" type="checkbox"/>	And
<input type="checkbox"/>	Or
<input type="checkbox"/>	<b>A</b> last(/Template Tredess Transmitters/tredess.setup.exciter.modulator.modulatorDAB.dabNetwork.dabTimingInformation.dabMargin)+last(/Template Tredess Transmitters/tredess.setup.exciter.modulator.modulatorDAB.dabNetwork.dabTimingInformation.dabProcessingDelay)<={\$CURRENT_TOTAL_DELAY:"min"}
<input type="checkbox"/>	<b>B</b> last(/Template Tredess Transmitters/tredess.setup.exciter.modulator.modulatorDAB.dabNetwork.dabTimingInformation.dabMargin)+last(/Template Tredess Transmitters/tredess.setup.exciter.modulator.modulatorDAB.dabNetwork.dabTimingInformation.dabProcessingDelay)>={\$CURRENT_TOTAL_DELAY:"max"}
<input type="checkbox"/>	<b>C</b> last(/Template Tredess Transmitters/tredess.setup.exciter.modulator.modulatorDAB.dabSystem.dabNetwork.dabNetworkType)=0



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Alerting



Text  
Message



WhatsApp



Email



Slack



Microsoft  
Teams



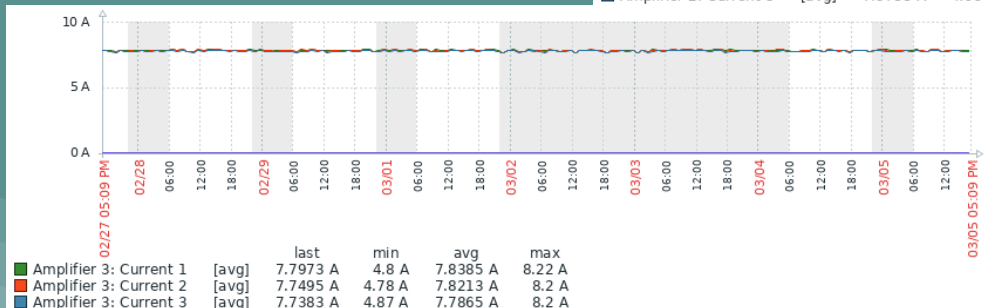
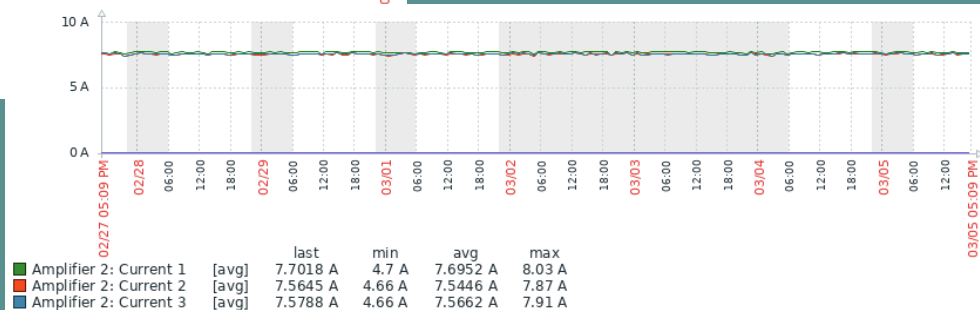
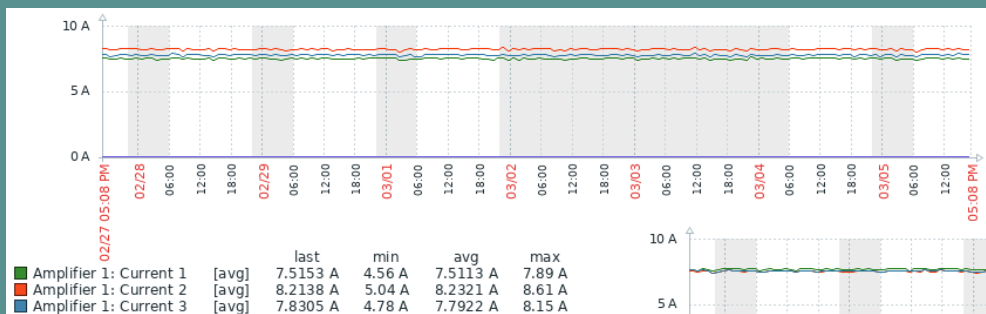
Telegram



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## Anticipation



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Anticipation



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**Merci !**

**Question ?**

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