



Steve Nixon &lt;steve.nixon.viamed@googlemail.com&gt;

## Re: Fwd: Re: Fwd: JJ email for Mitch

1 message

**mburton@jj-ccr.com** <mburton@jj-ccr.com>  
 Reply-To: mburton@jj-ccr.com  
 To: jp@jj-ccr.com  
 Cc: Steve Nixon <steve.nixon@vandagraphst.com>, dave work <dt@jj-ccr.com>

19 June 2018 at 03:23

Jan:

Yes, the Teric release (as well as other projects) has been a top priority and has used up a lot of time for us.

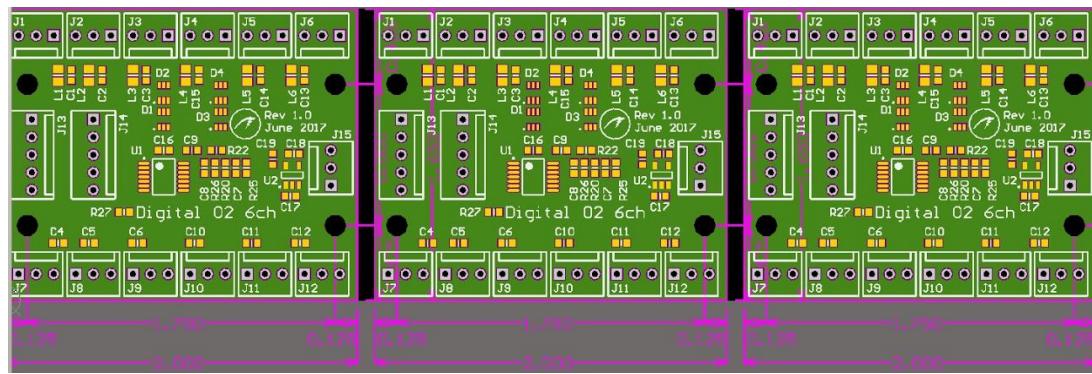
Steve:

The assembly steps of the cells are, at a high level:

- Assembly of digital O2 PCA with programmed microcontroller (you have this design and binary image)
- Note that the digital O2 MCU may also be programmed post-assembly, although this does add a step
- Assembly of digital O2 PCA with O2 cell, cell trimming should be as per your regular process
- Cell testing, analog connection as per your regular process
- Digital O2 data programming / testing

If you require, I can provide a programming fixture for the MCU.

I have also a programming fixture for the data programming. This fixture is designed to go in-line at the analog test station (analog pass-through) so that the analog cell test and digital data programming step can be done on the same fixture without moving the cell and little manual intervention. The programming fixture may be ganged up to 18 channels as shown:



I also have a Windows application that can read a CSV data file and perform the programming operations through these boards. The programmed data is:

- Cell model name
- Manufacturer's ID
- Serial number
- Mfg date
- Expiry date
- Temperature calibration parameters
- PPO2 to mV calibration records for three analog test points, (PPO2, mV pairs)

I can provide these boards and application to you at no cost.

Kind regards

Mitch Burton

JJ-CCR ApS · Dyrevvej 11 · 4720 Presto · Denmark

Phone: +1 (604) 669-9958

Web: [www.jj-ccr.com](http://www.jj-ccr.com)

On 18 June 2018 at 04:31:33 -07:00, JJ-CCR <jp@jj-ccr.com> wrote:

Hi Mitch.

I know you are filled up with work but do you have time to get back to Steve (Vandagraph) on the below.

Kind regards

**Jan Petersen**

JJ-CCR ApS · Dyrlevvej 11 · 4720 Presto · Denmark

Phone direct: +45 40108982

Email: [jp@jj-ccr.com](mailto:jp@jj-ccr.com)

Web: [www.jj-ccr.com](http://www.jj-ccr.com)

----- Videresendt besked -----

Fra: Steve Nixon <[office@viamed.co.uk](mailto:office@viamed.co.uk)>  
Dato: 18. juni 2018 kl. 13.28.44 +02.00  
Emne: Re: Fwd: JJ email for Mitch  
Til: Jan P. jj-ccr <[jp@jj-ccr.com](mailto:jp@jj-ccr.com)>

Hi Jan, nothing as yet.

Steve

On Mon, 18 Jun 2018 at 10:11, JJ-CCR <[jp@jj-ccr.com](mailto:jp@jj-ccr.com)> wrote:  
Hi Steve,

Just checking up if you heard from Mitch.

Kind regards

**Jan Petersen**

JJ-CCR ApS · Dyrlevvej 11 · 4720 Presto · Denmark

Phone direct: +45 40108982

Email: [jp@jj-ccr.com](mailto:jp@jj-ccr.com)

Web: [www.jj-ccr.com](http://www.jj-ccr.com)

Den 13. juni 2018 kl. 10.22.07 +02.00, skrev Steve Nixon <[office@viamed.co.uk](mailto:office@viamed.co.uk)>:

Hi Jan

I haven't heard anything back from Mitch yet, we do need some test equipment/product for QA.

Steve

On Wed, 13 Jun 2018 at 08:40, JJ-CCR <[jp@jj-ccr.com](mailto:jp@jj-ccr.com)> wrote:

Hi Steve.

Just on this are you now in contact whit Mitch.

Kind regards

**Jan Petersen**

[JJ-CCR ApS](#) · Dyrlevvej 11 · 4720 Presto · Denmark

Phone direct: +45 40108982

Email: [jp@jj-ccr.com](mailto:jp@jj-ccr.com)

Web: [www.jj-ccr.com](http://www.jj-ccr.com)

Den 8. juni 2018 kl. 11.55.21 +02.00, skrev Steve Nixon <[office@viamed.co.uk](mailto:office@viamed.co.uk)>:

Hi Mitch

It is good to hear from you again, yes we have been forwarded information and we have asked Jan what equipment JJ-CCR use to verify operation of the sensors.

We could generate our own testing, but can you supply or share details of the programming, equipment that you use and details of your QA procedure to verify correct operation of the sensors with your equipment.

Regards

Steve

On 7 June 2018 at 21:14, <[mburton@jj-ccr.com](mailto:mburton@jj-ccr.com)> wrote:

Jan:

Thank you for the introduction.

Mr. Nixon, I believe Jan has forwarded you information on the digital O2 circuit that we have created to work with your O2 cells. I am available to help you integrate this to your cells, set up the necessary programming station, and any other questions you have about this process.

I look forward to working with you on this.

Kind regards

Mitch Burton

JJ-CCR ApS · Dyrlevvej 11 · 4720 Presto · Denmark

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On 7 June 2018 at 01:48:54 -07:00, JJ-CCR <[jp@jj-CCR.com](mailto:jp@jj-CCR.com)> wrote:

Hi Steve.

Pleas have a look to the below from shearwater, Mitch Burton is working for JJ-CCR on the digital sensor projekt, Pleas email Mitch on [mburton@jj-CCR.com](mailto:mburton@jj-CCR.com) for information that is need to complete the projekt.

Thanks.

Kind regards

**Jan Petersen**

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Phone direct: +45 40108982

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Web: [www.jj-CCR.com](http://www.jj-CCR.com)

----- Videresendt besked -----

Fra: Steve Prescesky <[SPrescesky@shearwater.com](mailto:SPrescesky@shearwater.com)>  
Dato: 6. juni 2018 kl. 22.32.56 +02.00  
Emne: JJ email for Mitch  
Til: JJ-CCR <[jp@jj-CCR.com](mailto:jp@jj-CCR.com)>  
Cc: Mitch Burton <[MBurton@shearwater.com](mailto:MBurton@shearwater.com)>, Managers  
<[Managers@shearwater.com](mailto:Managers@shearwater.com)>

Jan,

Shearwater approves for Mitch to temporarily have a JJ email account for the purpose of facilitating communication with Vandagraph. Let's limit this to the rest of 2018, so please delete the account at the end of the year. Mitch would like to be able to forward this email to his Shearwater account, so that he will know when there is mail in the inbox without actively checking this account.

Information Mitch will be sharing with Vandagraph is proprietary and the disclosure both to JJ and to Vandagraph is confidential. I recommend that you have a basic NDA with Vandagraph so there is some protection. Mitch will also be careful to limit the information disclosed to the minimum necessary to complete the project.

We authorize Mitch to do a limited number of hours acting on behalf of JJ for this project and Shearwater will not charge JJ for this. Please be aware that availability over the coming months will be very limited due to high priority internal projects.

Best Regards,

Steve Prescesky

President

***Shearwater Research Inc.***

***Unit 250***

***13155 Delf Place***

***Richmond, BC***

***V6V 2A2***

**SHEARWATER RESEARCH INC.**

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Steve

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