



SOLE SOURCE CERTIFICATE AND POSTING NOTICE

(Greater than \$150,000)

A sole source procurement is when you make a request to purchase product(s) and/or service(s) without competition when competition is otherwise required. This means that product/service is unique and that the supplier is the only supplier that can provide the product or service. In accordance with the authority granted under applicable Florida law and UCF Regulation 7.130, the following documentation is submitted in support of this request.

This form and related documentation shall be submitted through Workday Help using case type Waivers and Sole Source. Please do not attach to a requisition or send via email for review and approval.

WD case subject title should have common structure for easy tracking, to include:

- Exemption type (Sole Source)
- Supplier name
- Purchase amount

The completed sole source must be approved in the following order. **Please be sure to obtain all required signatures before submitting the form to Procurement Services.**

- PI/Researcher/Director/Chair
- President/Vice President/Dean
- Procurement Specialist
- Procurement Services Manager or Associate Director
- Assistant Vice President for Tax, Payables & Procurement, who will review and provide a recommendation to approve or disapprove the sole source to:
- Chief Financial Officer, who will either directly approve or disapprove the sole source, or forward it to the Provost and Executive Vice President for goods/services related to academia for input prior to making the final decision.

Once the completed sole source is received, Procurement Services in collaboration with kNEXT reviews the documentation provided and determines whether the sole source is valid or if there are additional suppliers that may be able to provide the requested product or service. The sole source review and approval process varies based on the nature of the product/service being requested and the information provided in the requestor's justification, among other factors, so please keep this in mind when submitting the form.

Contingent upon the approval of all the officers/individuals listed, the sole source shall be posted on the UCF Procurement Services website for seventy-two (72) hours. Upon expiration of said posting period, Procurement Services will process a purchase order upon receipt of the requisition.

The usual bidding process shall be conducted if sole source approval is not granted.

PART I: DEPARTMENT AND SUPPLIER INFORMATION

Department Name: MAE Contact & Phone: Kareem Ahmed 407-823-5710
Product/Service Cost: \$166,000
 One Time Purchase Term Contract: _____
 Multiple Purchases Duration: _____

Company Name: EdgeWave GmbH Email: Du@edge-wave.com
Contact Person: Keming Du Title: Dipl.-Ing.
Product and/or Service: IS400-2-L with Nd:YVO4

PART II: SOLE SOURCE JUSTIFICATION (see pages 4-5)

Only justifications submitted on this form and in the below format will be reviewed for approval. All the listed points MUST be fully answered on the following pages and any additional attached pages as needed. Failure to submit justification as outlined in the format below will **result in the form being returned without review.**

PART III: SOLE SOURCE CERTIFICATIONS

- A. In my professional opinion, this is the only product or service that can reasonably meet my requirement(s)/specification(s), and this is the only supplier who can provide the product or service. I further certify that the information contained herein is true and correct to the best of my knowledge and belief and would withstand any audit or supplier protest.
- B. I, the undersigned, certify that I and/or the user do not have a financial interest in the above named supplier or contractor, and that I am unaware of any conflict of interest related to this purchase.

 Kareem Ahmed 3/20/24
Signature **Printed Name and Title (PI/Researcher/Director/Chair)** **Date**

michaelg Digitally signed by michaelg
Date: 2024.03.22 16:25:53 -04'00' _____
Signature **Printed Name and Title (President/Vice President/Dean)** **Date**
(Delegations not allowed; emails from absent approvers are acceptable)

I, the undersigned, hereby concur with the above justification and support a sole source approval for the above product(s) and/or service(s). Approvals may be documented and supported via email.

Brandon Orofino Brandon Orofino, Procurement Specialist 4/12/2024
Signature **Printed Name and Title (Procurement Specialist)** **Date**

See below email for approval _____
Signature **Printed Name and Title** **Date**
(Procurement Services Manager or Associate Director)

See below email for approval _____
Signature **Printed Name and Title** **Date**
(Asst. Vice President for Tax, Payables & Procurement)

See below email for approval

Signature

Printed Name and Title (Chief Financial Officer)

Date

POSTING NOTICE

4/12/2024 - 4:00PM EST

Date/Time Posted

4/15/2024 - 4:00PM EST

Posting End Date

2409

UCF Control No.

Brandon Orofino

Procurement Specialist

SOLE SOURCE JUSTIFICATION

Please answer the questions below and attach additional documentation if needed.

1. Describe the product(s) and/or service(s) and anticipated use thereof in layman's language.

A unique short-pulse, high-energy, high-frequency, 532nm laser is needed to pump into a Credo dye for the OH PLIF at 283 nm.

2. Describe the required specifications or requirements and why are they essential to the accomplishment of your work.

We need 532nm wavelength, at 8ns pulse or shorter, top-hat beam profile at minimum of 50kHz to pump a dye system

Provide the names of other suppliers, products and/or services that you have investigated and explain why they do not meet the required specifications or requirements. It may be helpful to present your information in a table like the one below.

| Required Specifications | EdgeWave | Lee Laser | Amplitude | Litron |
|---------------------------|----------|-----------|-----------|--------|
| 532nm wavelength at 50kHz | Y | Y | Y | N |
| 8ns pulse width | Y | N | N | N |
| top-hat beam profile | Y | N | N | N |
| 160 W energy | Y | N | Y | N |

The EdgeWave laser is the only customized laser that meets the requirements of the Sirah Credo Dye that we have here at UCF. The combination of high repetition rate (50kHz), high-energy (160W), and most importantly the very short pulse width (8ns) and top-hat beam profile is needed which others do not provide since they are not tuned for the Dye system we have.

3. State in detail why only this and no other product(s)/service(s) will satisfy the department's requirements. Description may include unique features, compatibility, specifications, availability, delivery time frame etc. (For example, please list the features or special conditions that are unique and only available from one supplier. Note: Price is not a valid reason.)

At UCF, we have a Sirah Credo Dye system to conduct OH PLIF measurements at 283 nm. The Credo Dye needs to be pumped with a high-energy (160W), high-frequency (50kHz), and most importantly very short pulse width (8ns) with a top-hat beam profile in order for the Credo Dye system give use the desired wave length of 283 nm for the OH PLIF measurements. The EdgeWave laser is the only system that meets the specification requirements.

4. Are there resellers or distributors? If yes, please list names and contact information.

No

5. Will this purchase obligate UCF to this vendor for future purchases such as maintenance, licensing, or continuing need? ___ Yes No

If yes, please provide details regarding future obligations and/or needs to include number of years and total spending amount of obligations:

6. What efforts have been made to obtain the best pricing available? Please provide an explanation to support the belief that the price is fair and reasonable.

We negotiated with the vendor to bring the pricing down. The original price they gave us was \$176,000 but we negotiated lower pricing at \$166,000

Vendor: EdgeWave GmbH

Product: IS400-2-L with Nd: YVO4 – A short-pulse, high energy, high frequency laser.

Total Amount: \$166,000

Dept: MAE

Requirement: The MAE department wants to purchase a unique short-pulse, high-energy, high-frequency 532nm laser that is needed to pump into a Credo dye for the OH PLIF at 283nm. They need 532nm wavelength, at 8ns pulse or shorter, top-hat beam profile at a minimum of 50kHz to pump the dye system.

The Credo Dye needs to be pumped with a high-energy (160W), high frequency (50kHz), and a very short pulse width (8ns) with a top-hat beam profile in order for the Credo Dye system to give us the desired wavelength of 283nm for OH PLIF measurements.

Research Conducted: The department provided the below comparison table listing the other suppliers researched with the required specifications:

| Required Specifications | EdgeWave | Lee Laser | Amplitude | Litron |
|---------------------------|----------|-----------|-----------|--------|
| 532nm wavelength at 50kHz | Y | Y | Y | N |
| 8ns pulse width | Y | N | N | N |
| top-hat beam profile | Y | N | N | N |
| 160 W energy | Y | N | Y | N |

The EdgeWave laser was the only laser found to meet the required specifications of the Sirah Credo Dye system.

Price is fair and reasonable: The price is deemed fair and reasonable given that EdgeWave GmbH is the only one that can meet all the above required specifications. The PI was able to negotiate with the supplier and brought the original price of \$176,000 down to a negotiated price of \$166,000.

GovSpend: After searching in GovSpend for any historical purchases made with EdgeWave GmbH, I did not find any purchase history with them.

EdgeWave GmbH

SEARCH

GET A QUOTE

Send a request to your approved agency's suppliers or more than 20,000 new suppliers. Get the advantage of using in-app messaging, price comparisons, and audit records.

GET A QUOTE

GO TO MY QUOTE REQUESTS

CONTRACTS & CO-OPS

See all contracts and cooperatives that you may be able to piggyback on.

0 of the 0 contracts are through the following cooperatives. Select one to view associated contracts:

We also found contracts from 0 states and provinces.

VIEW ALL CONTRACTS

RELATED PRODUCTS & MARKET PRICING

There are no results that match your search

VIEW HISTORICAL SPENDING RELATED TO EDGEWAVE GMBH

BIDS & RFQ SPECS

We found 0 bids from 0 government agencies across the country.

VIEW BIDS

DISCOVER SUPPLIERS

We found 0 suppliers. If you know what you want to buy but you don't know who to buy it from, we will help you find suppliers that have previously sold a particular product or service to agencies

VIEW SUPPLIERS

VERIFY SOLE SOURCE

We found 0 suppliers. However, you should expand or narrow your search criteria to verify these suppliers can provide the specific item you need.

VIEW SUPPLIERS

Thank you,

Brandon

From: [Gerald Hector](#)
To: [Joel Levenson](#)
Cc: [Brandon Orofino](#); [Nellie Nido](#); [Brian Sargent](#)
Subject: Re: Sole Source Approval Request - C0082213: EdgeWave
Date: Thursday, April 11, 2024 8:34:00 PM

Joel:

I approve this sole source based on the information shared.

Regards,

Gerald

Sent from my iPhone

On Apr 11, 2024, at 2:35 PM, Joel Levenson <Joel.Levenson@ucf.edu> wrote:

Good afternoon Gerald,

I also support this sole source purchase. It's another laser procurement with custom specifications for research. Comparisons into similar lasers do not meet the needs of the department, with the results attached.

If you agree, reply all and confirm. If you have additional questions, let us know!

Thank you,

From: Brian Sargent <Brian.Sargent@ucf.edu>
Sent: Thursday, April 11, 2024 9:31 AM
To: Joel Levenson <Joel.Levenson@ucf.edu>
Cc: Brandon Orofino <Brandon.Orofino@ucf.edu>; Nellie Nido <nellie.nido@ucf.edu>
Subject: RE: Sole Source Approval Request - C0082213: EdgeWave

Sorry, they were included in the case# but I hadn't shared the case with you for viewing. The forms are attached.

Regards,

Brian

From: Joel Levenson <Joel.Levenson@ucf.edu>
Sent: Thursday, April 11, 2024 9:10 AM
To: Brian Sargent <Brian.Sargent@ucf.edu>
Cc: Brandon Orofino <Brandon.Orofino@ucf.edu>; Nellie Nido <nellie.nido@ucf.edu>
Subject: RE: Sole Source Approval Request - C0082213: EdgeWave

Is the sole source form not required for this?

From: Brian Sargent <Brian.Sargent@ucf.edu>
Sent: Wednesday, April 10, 2024 11:51 AM
To: Joel Levenson <Joel.Levenson@ucf.edu>
Cc: Brandon Orofino <Brandon.Orofino@ucf.edu>; Nellie Nido <nellie.nido@ucf.edu>
Subject: Sole Source Approval Request - C0082213: EdgeWave

Hi Joel,

I also support the attached sole source request to EdgeWave. MAE department researched possible alternatives but EdgeWave has the only product that meets all the requirements listed below, and the only source that has a pulse width of (8ns) and top-hat beam profile. Please approve/disapprove and let me know if you have any questions.

high-energy (160W), high frequency (50kHz),
pulse width of (8ns) with a top-hat beam profile in order for the Credo Dye system to give us the desired wavelength of 283nm for OH PLIF measurements

Regards,

Brian Sargent
Procurement Services
University of Central Florida
Brian.Sargent@ucf.edu
(407) 823-3304

<MG_Sole-Source_EdgeWave-1.pdf>
<Quotation 2023-30503 Uni Florida IS400-2-L-2.pdf>



Brian Sargent | 04/08/2024

Good morning Jerry, Brandon Orofino has been assigned to review your sole source. He will reach out with any questions. Regards,



Brandon Orofino | 04/09/2024

Hi Brian, I have reviewed the attached sole source form for EdgeWave GmbH and can support their request. Please see my attached sole source review file for approval. Thank you, Brandon

Attachments



Edgewave SS Review.pdf