



ADZ NAGANO GmbH

COMPANY PRESENTATION – AEROSPACE

2022/A

PRESSURE

TEMPERATURE

FORCE

EXACTLY OUR STRENGTHS

OVERVIEW

1. [Facts](#)



... since when can we fly?

2. [Services](#)



... what sets us apart ?

3. [Capabilities](#)



... what is possible ?

4. [Utilization](#)



... where are we already flying ?

5. [Contact](#)



... how to get your individual solution ?



ADZ NAGANO

... **your partner in customer-specific solutions for pressure-, temperature- and force-measurement !**

- 1st flying sensor

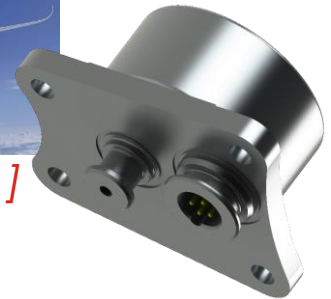
... **2007** via **Liebherr-Aerospace Lindenberg GmbH**

AIRBUS A350 XWB

[**pressure transducer for hydraulic control system for landing flaps & gear**]



...758 pcs [≤ Q2/22]



- Achievements

... **>10 aerospace customers worldwide**

... **~7.000 aerospace-specific sensors delivered [≤Q2/22]**

... **used in**

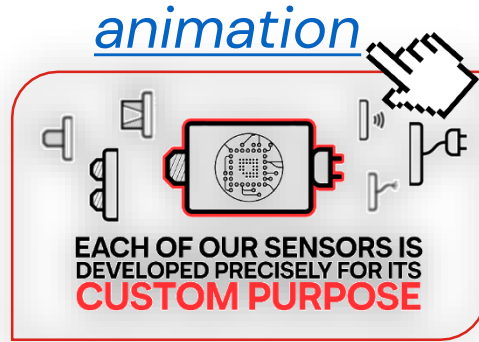
- helicopters
- business jets
- training aircrafts
- long-haul passenger aircrafts
- transport aircrafts



ADZ NAGANO

... our products – as individual as our customers !

- USP



... product & sensor system design

... modular system of standardized ...

- components
- designs
- internal interfaces
- assemblies

for ...
... customized solutions
... specific modification

for ...
... ≥ 1 pcs
... up to 50T pcs/y

... optimal degree of automation

➤ 100% tailor-made solution for specific requirements in specific application



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... the content
but not the contact



Capabilities

ADZ NAGANO

- Management
- Engineering
- Technologies
- Production

... what is possible ?

... your partner at eye level !

... projects

... requirements, configurations

... product life cycle, replacements

... documents

... mechanics, electronics [hardware]

... industrialization

... tests, verification, qualification

... mechanical machining, automatic soldering machine

... laser beam welding

... assembly, calibration, acceptance test

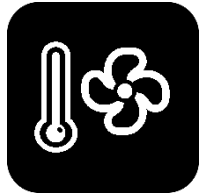
... prototypes [≥ 1 pcs], series [up to 50T pcs/y]



ADZ NAGANO

... solutions for decisive moments !

- Application areas



HVAC / AM



HYDRAULIC
SYSTEMS

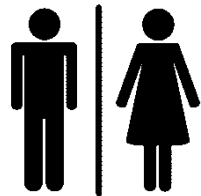


ANTI ICING
SYSTEMS



TEST
RIGS

SANITARY



FUEL
SYSTEMS



OXIGEN
SYSTEMS



**... AND IT'S GETTING
MORE**





ADZ NAGANO

... solutions for decisive moments !

- Reference customers

WE MEASURE EVERYTHING
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LIEBHERR

LIEBHERR-
AEROSPACE
TOULOUSE SAS

[FRANCE]



LIEBHERR-
AEROSPACE
LINDENBERG GMBH

[GERMANY]



IRKUT CORPORATION

[RUSSIA]



AERO VODOCHODY
AEROSPACE A.S.

[CZECH REPUBLIC]



EMPRESA
BRASILEIRA DE
AERONÁUTICA S.A.

[Brazil]



ANTONOV

[UKRAINE]



DIAMOND AIRCRAFT
INDUSTRIES GMBH

[AUSTRIA]



UNIS A.S.

[CZECH REPUBLIC]



PARKER AEROSPACE

[GERMANY]







... AND IT'S GETTING MORE





- Main projects & products

LIEBHERR-AEROSPACE TOULOUSE

 <p>Image source: manufacturer</p>	<p>EMBRAER E-Jet E2</p>	<p>PRESSURE TRANSDUCERS [ABSOLUTE / GAUGE / DIFFERENTIAL]</p>	<p>6 PN 15 pcs / AC</p>	<p>557</p>
 <p>Image source: manufacturer</p>	<p>AVIONS DE TRANSPORT RÉGIONAL ATR 42/72</p>	<p>PRESSURE TRANSDUCERS [ABSOLUTE / GAUGE / DIFFERENTIAL]</p>	<p>4 PN 8 pcs / AC</p>	<p>715</p>
 <p>Image source: manufacturer</p>	<p>DASSAULT FALCON 6X</p>	<p>PRESSURE TRANSDUCERS [GAUGE]</p>	<p>2 PN 5 pcs / AC</p>	<p>159</p>
 <p>Image source: manufacturer</p>	<p>DASSAULT FALCON 10X</p>	<p>PRESSURE TRANSDUCERS [GAUGE / DIFFERENTIAL]</p>	<p>8 PN 24 pcs / AC</p>	<p>24 1455 [≤ Q2/22]</p>

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- Main projects & products

LIEBHERR-AEROSPACE LINDENBERG



**AIRBUS
A350 XWB**

**PRESSURE
TRANSDUCERS**
[ABSOLUTE]

**1 PN
1 pcs
/ AC**

758



**LEONARDO /
AGUSTA WESTLAND
AW 149 / 189**

**PRESSURE
TRANSDUCERS**
[ABSOLUTE]

**1 PN
2 pcs
/ AC**

198 / 62



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Utilization

... where are we already flying ?

Overview



ADZ NAGANO





... solutions for decisive moments !

Customers



- Main projects & products

IRKUT, ANTONOV, UNIS

 <p>Image source: manufacturer</p>	<p>IRKUT MC-21 FAMILY</p>	<p>PRESSURE TRANSDUCERS [ABSOLUTE / GAUGE]</p>	<p>2 PN 5 pcs / AC</p>	<p>161 [+ ~1.300 Test Rig Sensors]</p>
 <p>Image source: manufacturer</p>		<p>TEMPERATURE TRANSDUCERS</p>	<p>1 PN 3 pcs / AC</p>	<p>102</p>
 <p>Image source: manufacturer</p>	<p>ANTONOV AN-124-100</p>	<p>PRESSURE TRANSDUCERS [ABSOLUTE / GAUGE / DIFFERENTIAL]</p>	<p>9 PN 9 pcs / AC</p>	<p>181</p>
 <p>Image source: manufacturer</p>	<p>UNIS [TURBOFAN ENGINE CONTROL UNIT] for IVCHENKO [ENGINE D-18T]</p>	<p>PRESSURE TRANSDUCERS [ABSOLUTE]</p>	<p>2 PN 2 pcs / AC</p>	<p>69 [≤ Q2/22]</p>





- Main projects & products

AERO VODOCHODY, EMBRAER



**AERO VODOCHODY
L-39NG**

**PRESSURE
TRANSDUCERS**

[ABSOLUTE / GAUGE /
DIFFERENTIAL]

**19 PN
29 pcs
/ AC**

518

**TEMPERATURE
TRANSDUCERS**

**4 PN
4 pcs
/ AC**

45



**EMBRAER
KC-390**

**PRESSURE
TRANSDUCERS**

[DIFFERENTIAL]

**3 PN
3 pcs
/ AC**

165



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- Main projects & products

DIAMOND AIRCRAFT INDUSTRIES



Image source: manufacturer

**DIAMOND AIRCRAFT
DA50**

**PRESSURE
TRANSDUCERS**
[ABSOLUTE / GAUGE]

**5 PN
5 pcs
/ AC**

114

**TEMPERATURE
SENSORS**

**1 PN
1 pcs
/ AC**

11



WE MEASURE EVERYTHING

THANK YOU VERY MUCH
AND
CONTACT US FOR YOUR INDIVIDUAL SOLUTION

www.adz.de

sales@adz.de



ADZ NAGANO – GREAT THINGS ON A SMALL SCALE

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