

DIGITAL PRODUCTION

CASE STUDY



ATHENS

Tuesday 28 November to Saturday 1 December 2018

V1 Sunday 13th 2018





CASE STUDY

"HALVDAN ALMOST A VIKING"

Presentation made by:

Jessica Ask, Karolina Heimburg & Peter Bengtsson



Budget: 36 900 000 SEK = 3, 57 M€

Production: Anagram Sverige AB

- Country of origin: Sweden
- Producer: Jessica Ask
- Director: Gustaf Åkerblom





- Co-Producers: Film i Väst, TV4, NDR (NFTF & SFI) Production Manager: Line Producer Karolina Heimburg Cinematographer: Peter Mokrosinski Production Designer : Pernilla Olsson
- Costume designer: Kicki Ilander
- Sound engineer: Henric Andersson
- Editor: Fredrik Morheden





Estimated length of the film: 93 min

- Colorist: Per Sjökvist
- VFX Supervisor: Torbjörn Olsson
- Post-production Manager: Peter Bengtsson
- Shooting locations/countries: Sweden, Trollhättan, Hunne & Halleberg





Mottos from the producer:

- Halvdan is an adventure that should feel authentic. It should be a heart-warming and funny family adventure about forbidden friendship and bridging differences.
- A movie for kids but with the same high ambition regarding production value as if it had been made for adults

NO STUDIO – EVERYTHING SHOT ON LOCATION - AUTHENTIC





Mottos from the director:

Halvdan should be fun, beautiful and authentic. A movie that I would have wanted to see as a kid. Differences can be a good thing and you can find a friend where you least thought you would...



PRE-PRODUCTION

Duration: 16 weeks

CHANGE ON THE WORKFLOW

Topics:

- Greenscreen vs real shooting
- Postponing the shooting

CHANGE ON THE WORKFLOW

Topics:

- 2 villages made with one single one
- Big prep on scouting
- Use of SFX and production design skills
- Decisions: 2 cameras



CHANGE ON THE WORKFLOW

Topics:

• Changing the script to fit with the reality

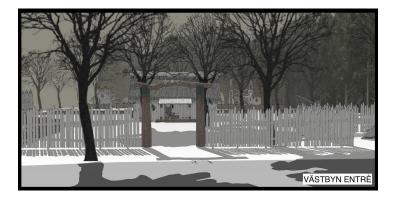


PRE-PRODUCTION

Topics:

- Never show the villages from above
- Different shooting angles and entrances to the villages







General topic

- Beeing able to change our mind
- Flexibility & communication
- Big movie in a small place with low budget

SHOOTING

Duration: 7 weeks 8h/days

Topic:

- Filmmaking with kids and tight schedule
- 2 x camera (1 steadicam)



CAMERA DEPT: One main unit, 2 cameras

- Camera crew number of person: Total 8 persons
- Cinematographer
- Steadycamoperator
- Camera operator <u>USE OF STEADYCAM WITH KIDS</u>
- Assitant Cameraman 1
- Assitant Cameraman 2
- 2:nd ass cam
- Video assist
- DIT/Data manager/wrangler

Topics:

- Logistics issues
- Transportations: decisions to lower the distance between set and hotels
- Key role of location manager
- Making the kids have fun

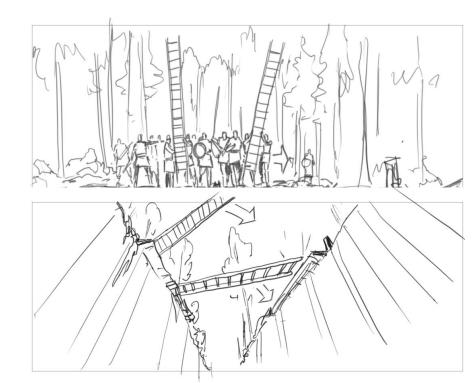
SHOOTING

Topic:

• Use of storyboard – the end of the movie







Events:

• The cliff





Events:

• Technocrane incident



SHOOTING

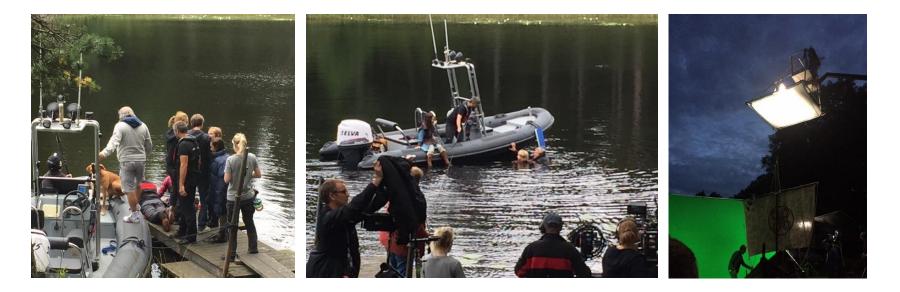
Events:

• The old bridge



Events:

• Boat/water scenes – shot next to the village



Topic:

• A producer on set – fast decisions



SHOOTING

Topic:

• Experienced crew







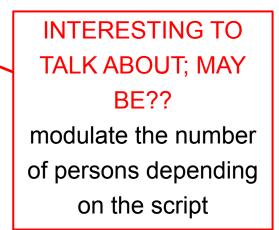
SHOOTING

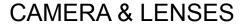
LIGHTING CREW:

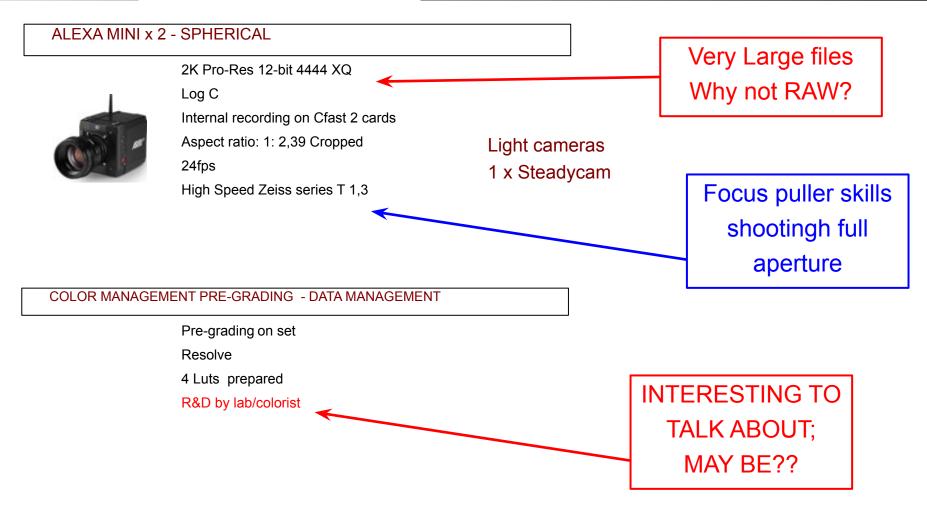
- 1 x Head Gaffer
- X x gaffer
- Extras

GRIP CREW:

- 1 x Head Grip
- X x Dolly grip
- X x grips







COMMUNICATION BTW SHOOTING & POST

QUALITY CHECK -

FOOTAGE/DATA VIEWING: Director, DOP, Producer, Postproducer, Editor, Hair & Make up Designer, Production Designer, Costume Designer, LP USE OF IOS and WEB BASED (Encodi) SILVERSTACK



POST-PRODUCTION

Editing: Gothenburg Post-production: Gothenburg & Stockholm VFX: Gothenburg & Stockholm



DURATIONS

- Editing: 19 weeks
- Grading: 3 weeks
- VFX: 13 weeks
- Sound: 29 weeks

DURATIONS

- Editing: 2
- Grading: 1
- VFX: 3
- Sound: 1

DAILIES

Creation of pregraded proxy with Lut's & synch: H 264

PNG images, H 264 files, DVD sent to:

- The production YES
- The director/cinematographer/set designer
- The VFX





SPECIFICITY

- Use of ACES architecture
- Which resolution for archiving? : 2048x838 Open EXR

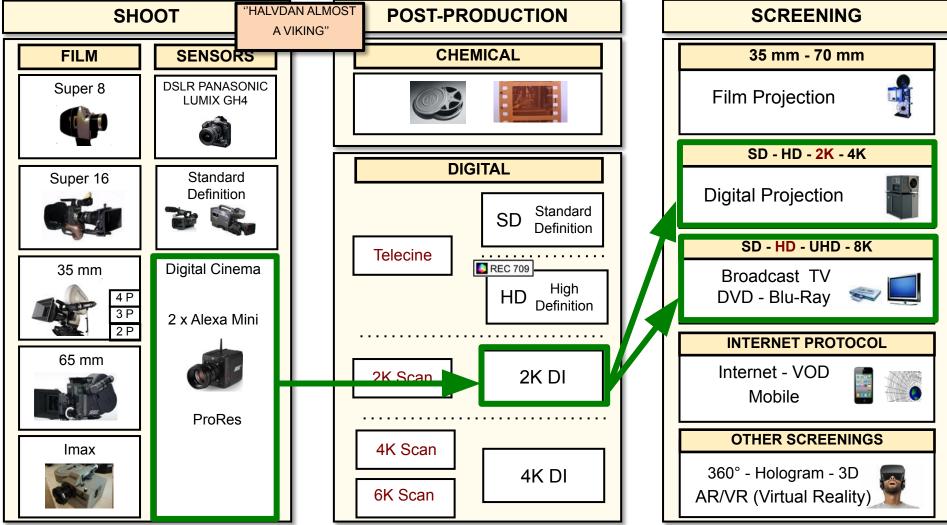


INTERESTING TO MENTION AS GOOD CHOICE FOR LIBRARY

GRADING

- Plugins during grading
- Regrain: YES
- Denoise: YES





©: Philippe Ros Cinematographer AFC & Digital Imaging Supervisor www.philipperos.com

Following slides are extracted from DPCII Lisbon 2016

- Decisions to take:
- 1 Where to place this part
- 2 : My proposal is to simplify these following slides in according with the topics we can choose about for example workflow : 3,2K instead of 2K for future library

During DPCII – LISBON 2016

the film was one of the participants projects

DIGITAL PRODUCTION CHALLENGE II – LISBON 2016

« THE ADVENTURES OF

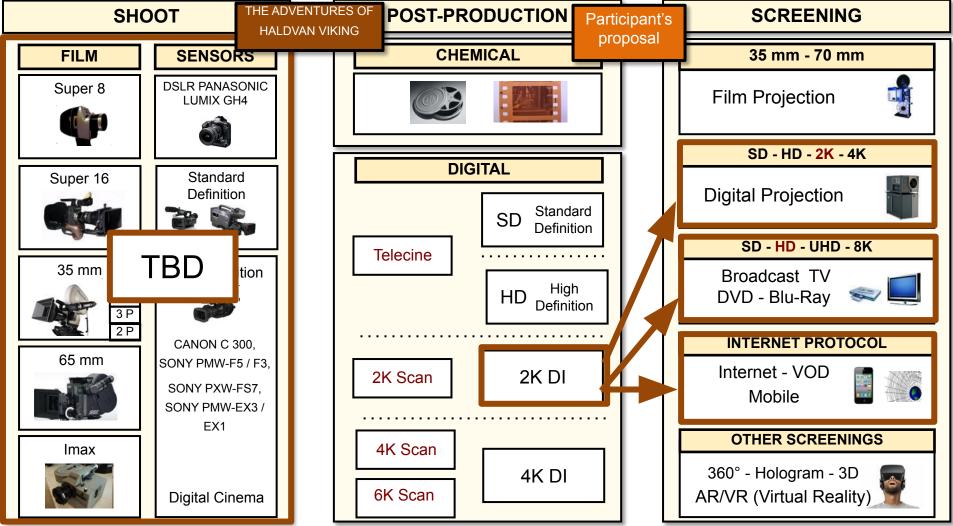
HALDVAN VIKING » »

Sweden

Jessika ASK, Producer - Karolina HEIMBURG, Line producer

FOCAL resource

Cinemategraphery Japag ALARIK		Participant's	SCREENING
Destination:	Theater – TV - VOD	proposal	35 mm - 70 mm
Production/Distribution Strategy:	Still tbd but approximate 66% market funding 34% public funding Open on Christmas 2017 1:st day of principal shoot: 26 April 2017 - Distributor in place together with Mor Public Relations and Communications agency - Involve social networks on the internet - National, Interna		Film Projection
Deliveries:			~
Budget:	Limited budget 3,4 M€ Co-producers: Film i Väst		SD - HD - 2K - 4K
Co-producing countries:	TBD: Germany - Scotland and/or Iceland could also be of interest.		3D - HD - 2K - 4K
Subject - Lenght - Language	Family movie (live action) 90 mn - 2 kids 10-12 years old, and then well-known Swedish actors.		Digital Projection
Prep - Shooting time Location, team:	May-June 2017 – Shoot ending: 16 June (main shoot) 8 weeks total (7 with first unit, 1 with Second Unit) Total shooting days: 35 (mainshoot) + 2 (modell) + 3 (background) Totalt weeks in post: Edit 16 w + Sound Sweden (Västra Götaland) - Main Unit - Scotland and/or Iceland - Second Unit – Team: 35 persons		SD - HD - UHD - 8K
Camera/Sound: Cinematographer:	Aspect ratio: 1:1,85 – Cameras: TBD – Check on set by DIT - To use a grading system on set		Broadcast TV
D.I VFX - Post	2K D.I VFX - Use of the Cloud - Post-production manager TBD depends on the outcome of the Post Pro and financing in total. For post, looking at one alt. with a big Swedish post- house and another alt. with so companies that comes together to provide the same high level of service (all inclusive so to say) as the es post-house Post Production Provider in charge of long term archiving	me smaller	DVD - Blu-Ray 🔍 🖳
Reference of film:	Swedish Astrid Lindgren classic "Ronja Rövardotter in terms of the trustworthy look. We want real people! Rings fantasy thing »	! No "Lord of The	INTERNET PROTOCOL
Tests – Check - Archive:	Actors, Make-up, Digital cameras, Light, Special effects, Lab, Workflow, Visual effects		Mobile
REMARKS			
Post prod:			OTHER SCREENINGS
Participant's expectations with regard to DPC	To learn more about the hole digital process in order to take better decisions and get some help and guida all important choices we have in front of us.	ance regarding	
Questions	How much we should build IRL and how much we should do as set extensions/changing of background et Do we need to work with postproduction supervisor? - VFX – Greenscreen - DCP	tc.	360° - Hologram - 3D AR/VR (Virtual Reality)



FILM: XXXX Country: XXX Director/Producer/Production manager/Cinematographer: XXXX

DPC 2016 experts proposals

SCREENING



Recommendati ons on production choices/strategi es

Technical Recommendati ons

Camera and recording

formats choices

Future of the film distibution - 4K release Camera and post choices could be finetuned to prepare 4K 3,2K D.I is a good option with a 2K DCP

ARRI ALEXA is requested/well known by the cinematographer. So Alexa Mini can be a good option to be flexible for outdoors (mountain, remote place) shooting.

If RAW recording is too expensive:

- Proposal to test with post/VFX ProRes 4444 XQ (which is a very good option to key)

If 4K future release becomes an important option, a 3,2KProRes/ARRIRAW 3,4K recording and a 3,2K/3,4K D.I. and DSM could anticipate this request. Alexa XT/SXT and Alexa Mini proposed these options

See following pages

REMARKS

Future of the film distribution - 4K release

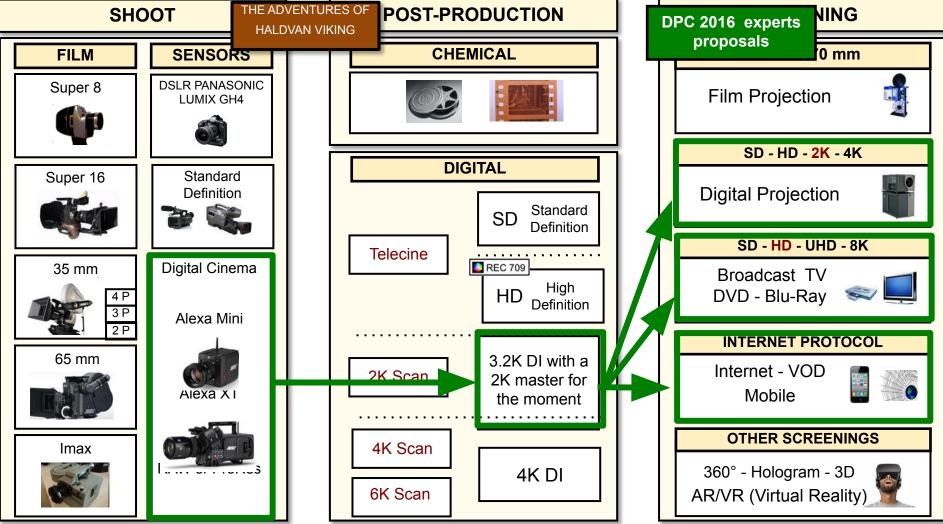
RESULTS d Duration (hh:mm:ss) Rates	00:38:51 369.5 821	
	369.5	
Rates		
Area of Sensor	3168 x 1782 px	
and the second se	3200 x 1782 px	
	3164 x 1778 px	
	29.99 mm 26.14 x 14.7 mm	
	0.909	
	Area of Sensor esolution tata Orop red Image Circle Area Size at Factor (to S35 160y9) review:	

V

These capture screens came from the ARRI link	
https://www.arri.com/de/camera/alexa	n

VFX options for future 4K								
Optic	on ProRes	3,2K 4:4:	:4:4 XQ	Opti	on RAW 3,4K			
	SETTINGS Camera ALEXA XT Codec ProRes 444 Resolution 16:9 3 2K 32 Project Rate 24p Sensor Speed 24.000 Media XR Capture Audio			Codec A Resolution O Project Rate 22 Sensor Speed 22	LEXA XT 6 RRIRAW 6 pen Gate 3.4K 3414 x 2198 6 4p 6 40 7 R Capture Drive (512GB) 6			
RESULTS Record Duration (hh:mm:ss) 00:25:53 GB/h 554.2 MBit/s 1232 Frame Rates 0.75 - 30 tps V FORMAT PREVIEW Sensor Preview: Non Raw VFX option Used Area of Sensor 3168 x 1782 px Clip Resolution 3200 x 1782 px Metadata Crop 3164 x 1778 px Required Image Circle 29.99 mm Image Area Size 26.14 x 14.7 mm Format Factor (to S35 16by9) 0.909			of	977.5 2172 0.75 - 75 fps PREVIEW nited choice lenses to				
			Used Area of Sens Clip Resolution Metadata Crop Required Image Ci Image Area Size Format Factor (to S Clip Preview:	3424 x 2202 px 3414 x 2198 px rcle 33.59 mm 28.25 x 18.17 mm				

https://www.arri.com/de/camera/alexa_mini/tools/arri_formats_datarates_calculator/





Topic:

Why choosing Open EXR foe library but choosing 2K recording instead of 3,2K?



The holistic approach