



33rd IPMA World Congress

Cape Town, November 27th to 29th 2024

„May your **CHOICES** reflect your **HOPES**,
not your **FEARS**.“

NELSON MANDELA

#Driving Digital – but Human is Key

Matthias Pietzner

HOPE

IPMA World Congress 2024-11-29

Cape Town, RSA

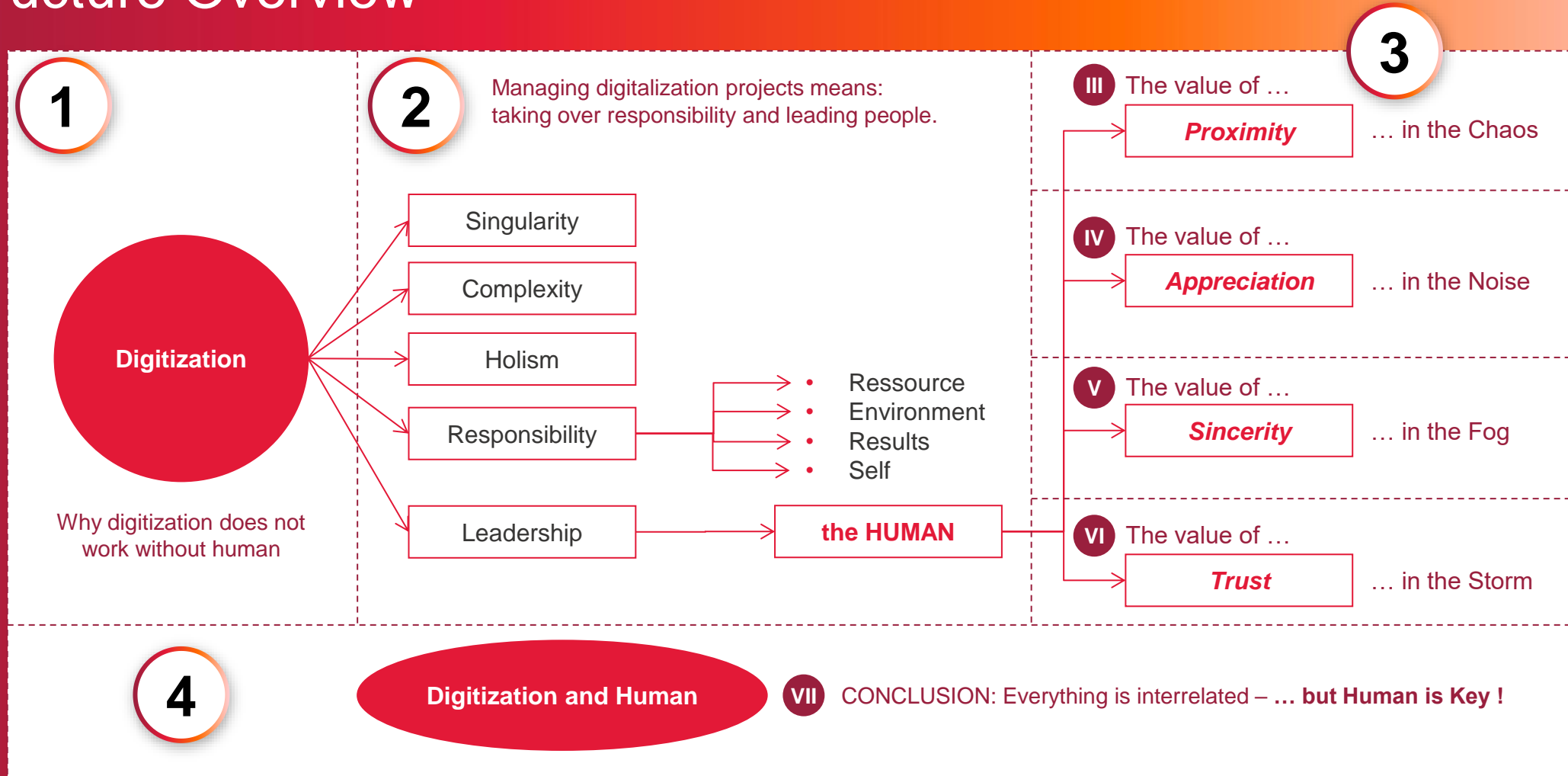


The Story of Today

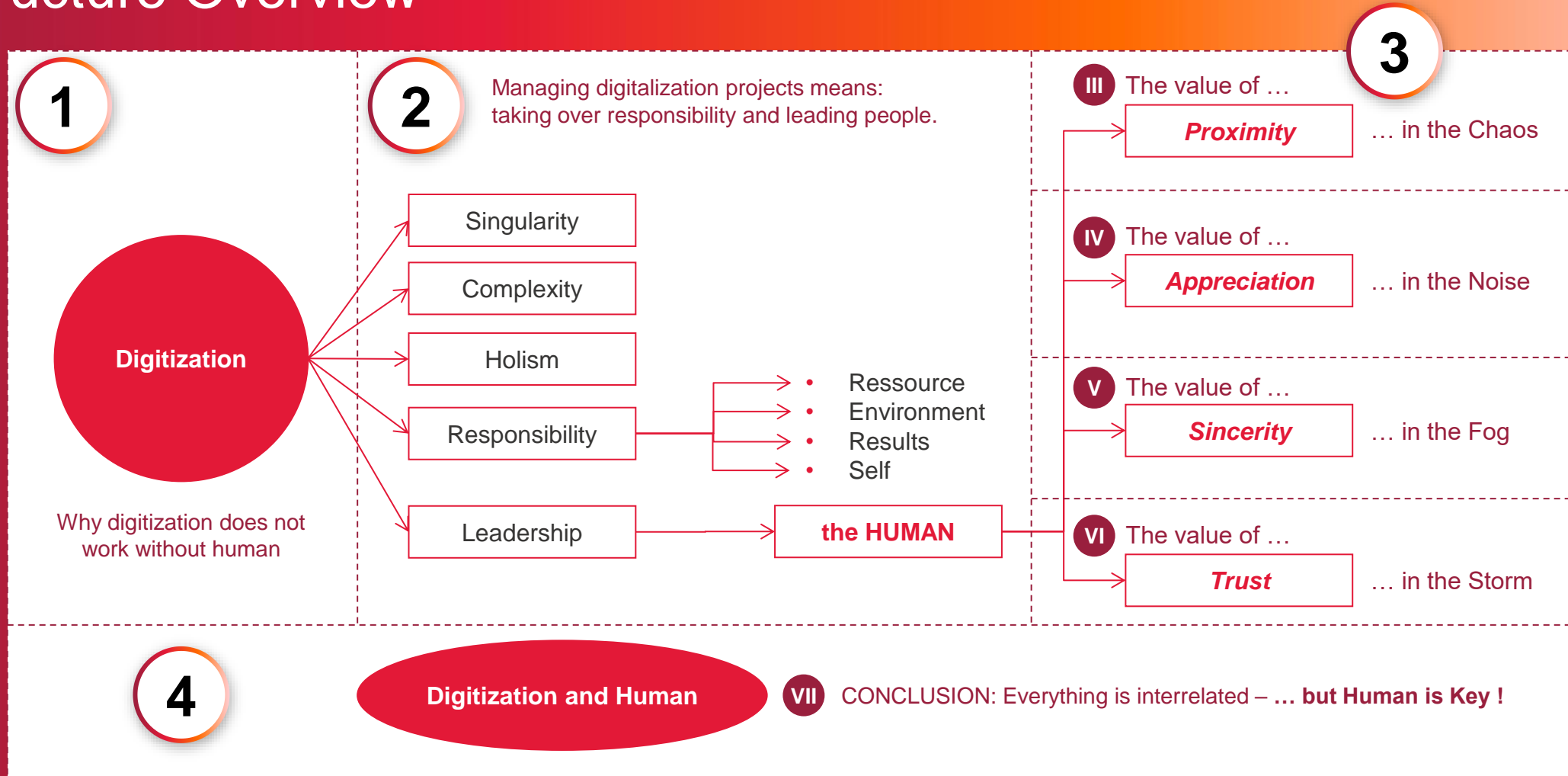
- 1 Why digitization does not work without human
- 2 Managing means: taking over responsibility and leading people
- 3 **The 4 core values of humanity in digital age project management**
- 4 **Everything is interrelated – but HUMAN IS KEY**



Structure Overview



Structure Overview



1

Why Digitization Does Not Work Without Human

Imperial College
London

TABLE OF DISRUPTIVE TECHNOLOGIES

	De	Ps	Ht	Hc	Da	Sp	El	Vr	Co	Qt
	Digital footprint easier	Personal flight easier	Human head transplants	Human cloning & de-extinction	Distributed auton- omous corporations	Space solar power	Space elevators	Fully immersive virtual reality (VR)	Artificial consciousness	Why can't talk about this one
	91 DE	92 DE	93 HA	94 HA	95 DE	96 SP	97 SP	98 DE	99 EA	100
	Ci	Le	Sa	Br	Ad	Ab	Is	Ph	Th	Te
	Conversational machine interfaces	Life-expecting algorithm	Stratosphere airships	Barfield robots	AI advisors & decision- making machines	AI agent members & personalities	Invisibility shields	Factory photocopies	Transhuman bioengineers	Telepathy
	81 MI	82 DE	83 SP	84 EA	85 DE	86 EA	87 SP	88 SP	89 HA	90 HA
	Ss	Ip	He	Mp	Dn	Gv	Qs	Cp	Ud	Rd
	Planetary-scale synthesizing	Implantable phones	4-legging & bionic	Male pregnancy & artificial wombs	DNA data storage	Genomic economies	Quantum safe cryptocurrencies	Cognitive productivity	Data uploading to the brain	Reactionless drive
	71 SP	72 MI	73 DE	74 HA	75 DE	76 SP	77 DE	78 HA	79 HA	80 SP
	Gh	Ak	Rs	Em	Xx	Bh	Me	Tc	Dr	Wh
	Proactive gene-based healthcare	Automated knowledge discovery	Autonomous robotic explorers	Emotionally aware machines	Humanoid sex robots	Human bio-hacking	Internet of DNA	Thought control - machine interfaces	Green meeting to the brain	Whole Earth urbanization
	61 DE	62 EA	63 EA	64 MI	65 MI	66 HA	67 DE	68 MI	69 HA	70 DE
	Md	Sw	Mm	Pb	Et	La	Sd	Lc	Pc	Sh
	High-scale decentralization	Self-writing software	Public mood forecasting	Programmable matter	Particle-pair energy trading & transmission	Likewise potential water resources	Smart dust	Low-cost atomic travel	Planet colonization	Shape-shifting matter
	51 SP	52 EA	53 DE	54 SP	55 DE	56 MI	57 DE	58 HA	59 HA	60 SP
	Mc	Sf	Dt	Se	Bf	Op	Bs	Nm	Fu	Mr
	Medical disorders	Smart racing & cycling	Diagnostic tattoos	Smart energy grids	Algae bio-fuels	Human-organ printing	Artificial human blood substitutes	New materials	Fusion power	Self-reconfiguring modular robots
	41 DE	42 DE	43 DE	44 SP	45 SP	46 SP	47 SP	48 SP	49 SP	50 SP
	DI	Pa	Av	Id	Df	Ap	Fp	Sr	Fd	Ze
	Distributed ledgers	Precision agriculture	Autonomous vehicles	Robotic breeding algorithms	Drone freight delivery	Autonomous passenger aircraft	3D-printing of food & nutraceuticals	Swarm robotics	n-dimensional manufacturing	Zero-point energy
	31 DE	32 SP	33 EA	34 MI	35 EA	36 EA	37 SP	38 EA	39 SP	40 SP
	Rc	Sc	Cm	Ro	As	Rg	Wa	Eb	Bp	Be
	Robotic care coordination	Smart controls and appliances	Customized meat	Delivery robots & passenger drones	Autonomous ships & airliners	Resource orchestration	Water harvesting from air	Disrupting efficiency	Bio-plastics	Beach-powered propulsion
	21 MI	22 DE	23 SP	24 EA	25 EA	26 SP	27 SP	28 SP	29 SP	30 SP
	Cr	So	Pp	Eh	Wt	Ac	Mh	Sg	Pe	Ff
	Cryptocurrencies	Concentrated solar power	Proactive policing	Multi-scale artificial energy harvesting	Aurora wind turbines	Avatar companions	Metabolic hydrogen energy storage	Smart glasses & contact lenses	Industrial eating buildings	Peace fields
	11 DE	12 SP	13 DE	14 SP	15 SP	16 MI	17 SP	18 HA	19 SP	20 SP
	Sn	Dw	Va	We	Bi	Px	Cc	Vt	Sj	Am
	Smart highways	Deep ocean hydrothermal	Vertical agriculture	Wireless energy transfer	Balloon-powered Internet	Powered assistive devices	Computerized ethics decision making	Vacuum robot transport	Screen-free interfaces	Adaptive mining
	1 DE	2 SP	3 SP	4 SP	5 SP	6 HA	7 DE	8 SP	9 SP	10 SP
	SOONER ←									→ LATER

Source:

Richard Watson, Imperial College London

<https://www.forbes.com/sites/paularmstrongtech/2018/09/10/the-se-are-the-disruptive-technologies-that-will-affect-your-industry/>

1

Why Digitization Does Not Work Without Human



2 Taking over Responsibility ...



2 Taking over Responsibility ...



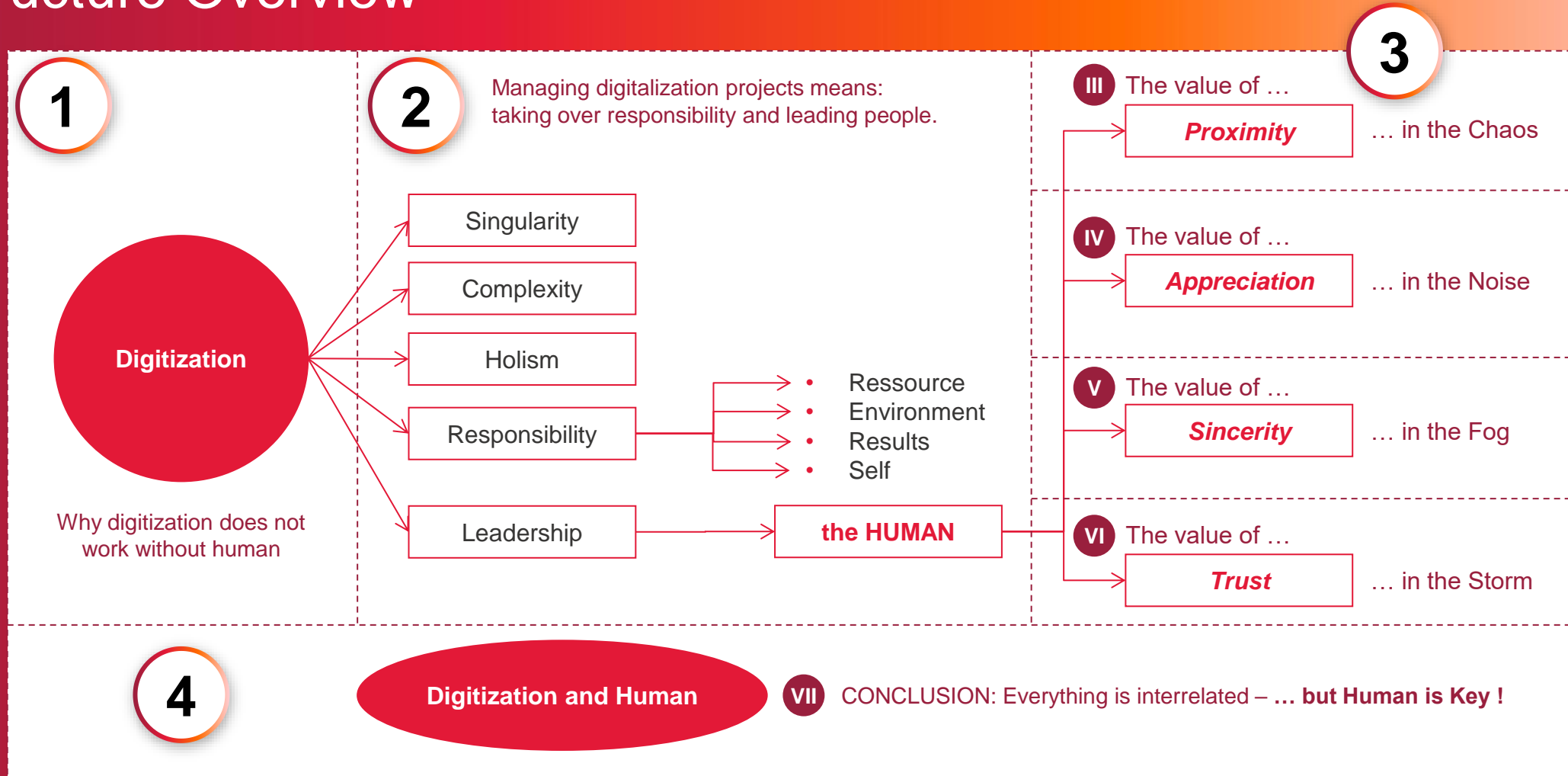
2 Taking over Responsibility ... and ...



2 Taking over Responsibility ... and Leading People



Structure Overview





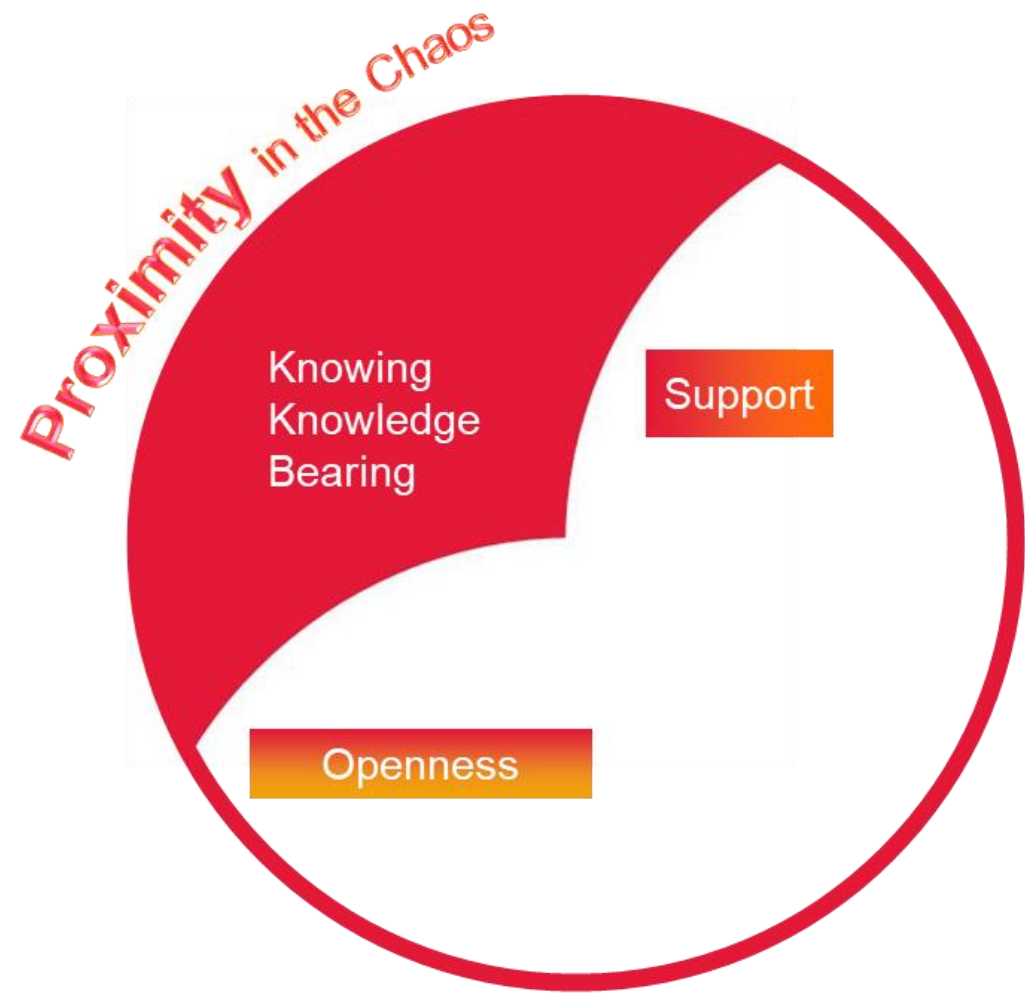
3

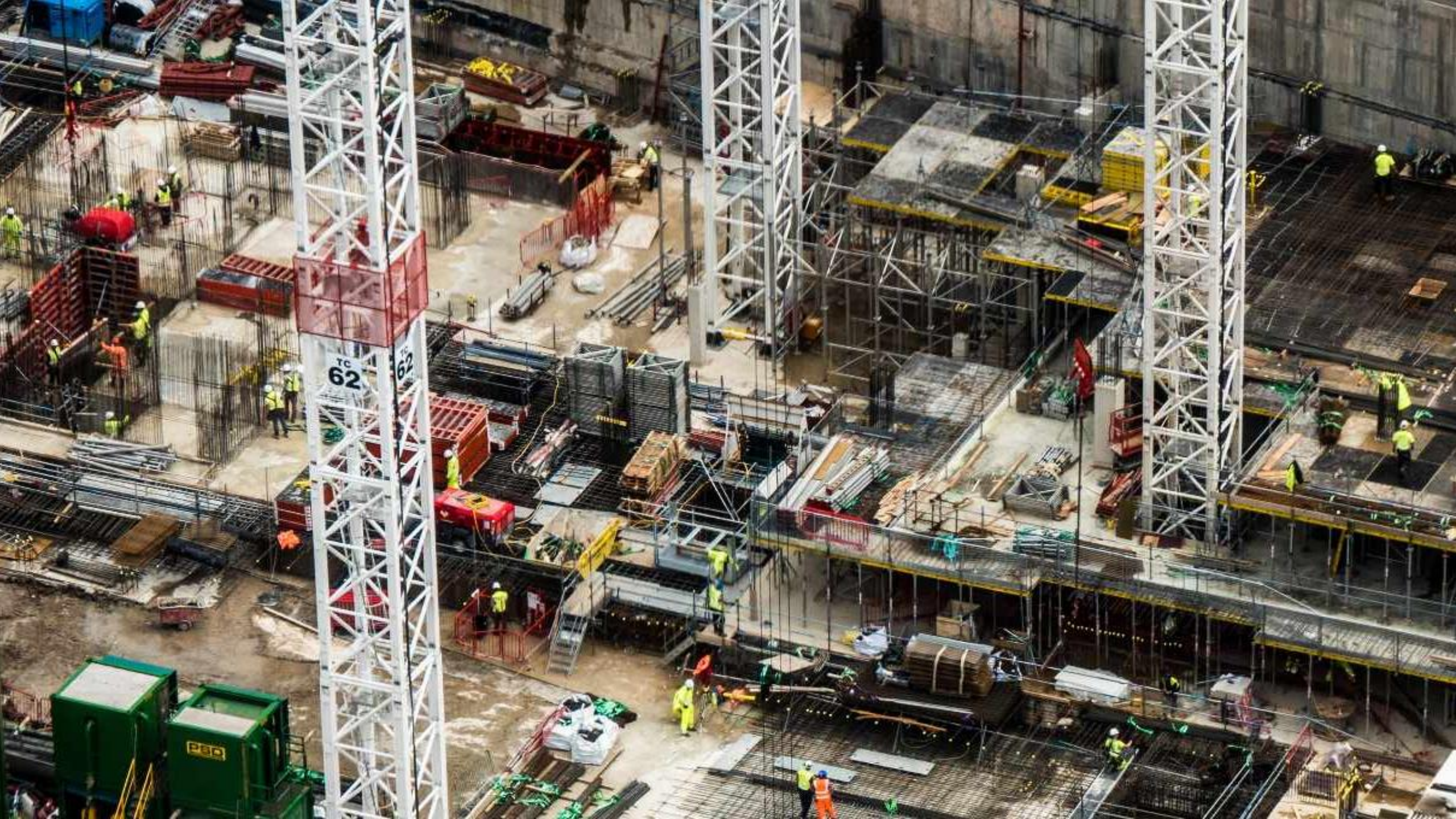
Core Value of Humanity 1: **Proximity** in the Chaos



3

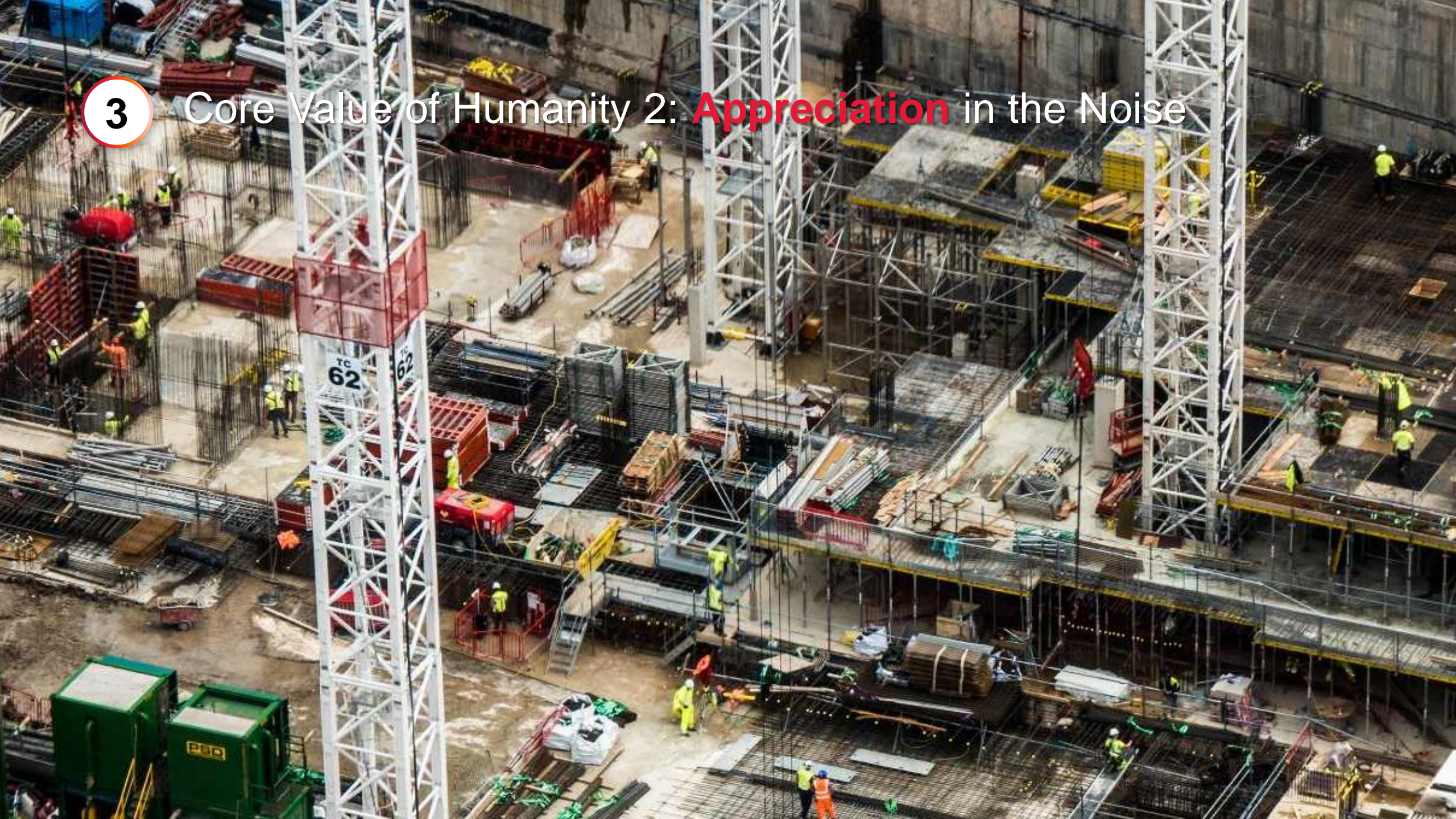
Core Value of Humanity 1: Proximity in the Chaos





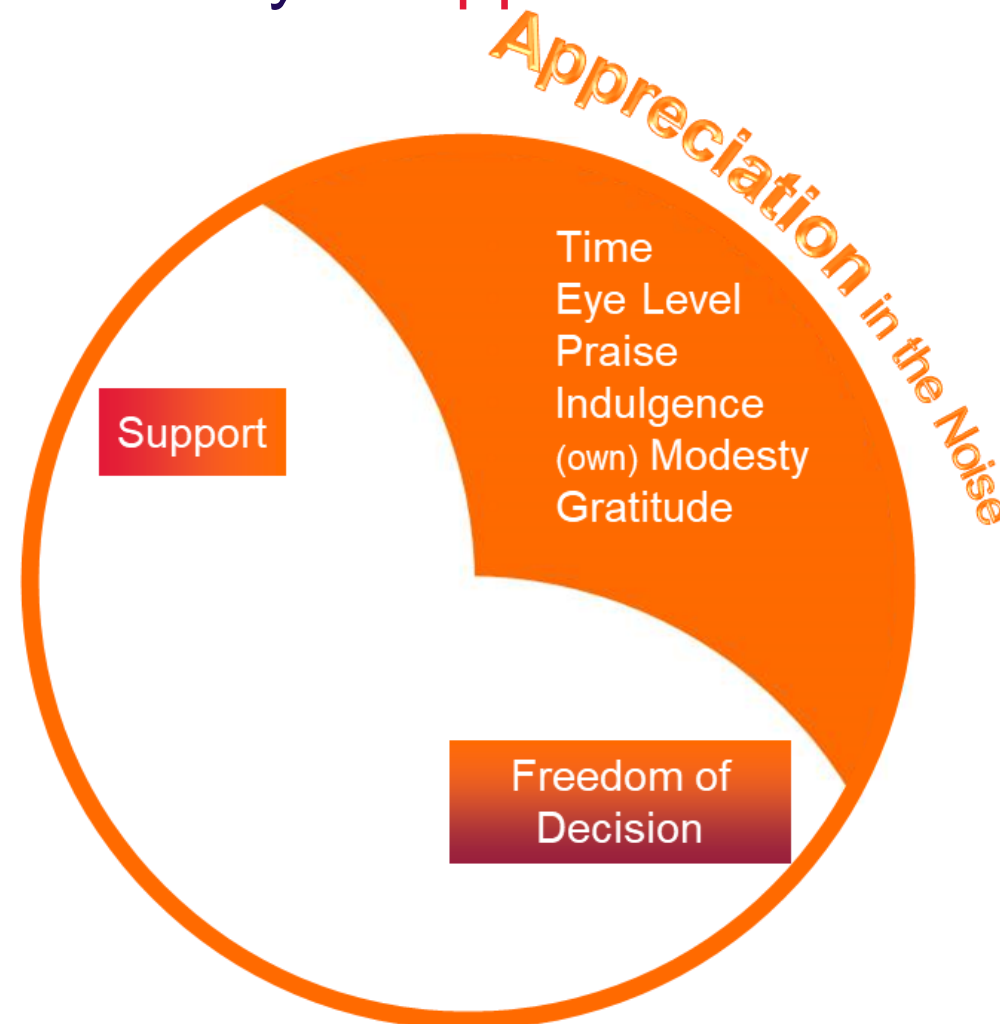
3

Core Value of Humanity 2: **Appreciation** in the Noise



3

Core Value of Humanity 2: **Appreciation** in the Noise





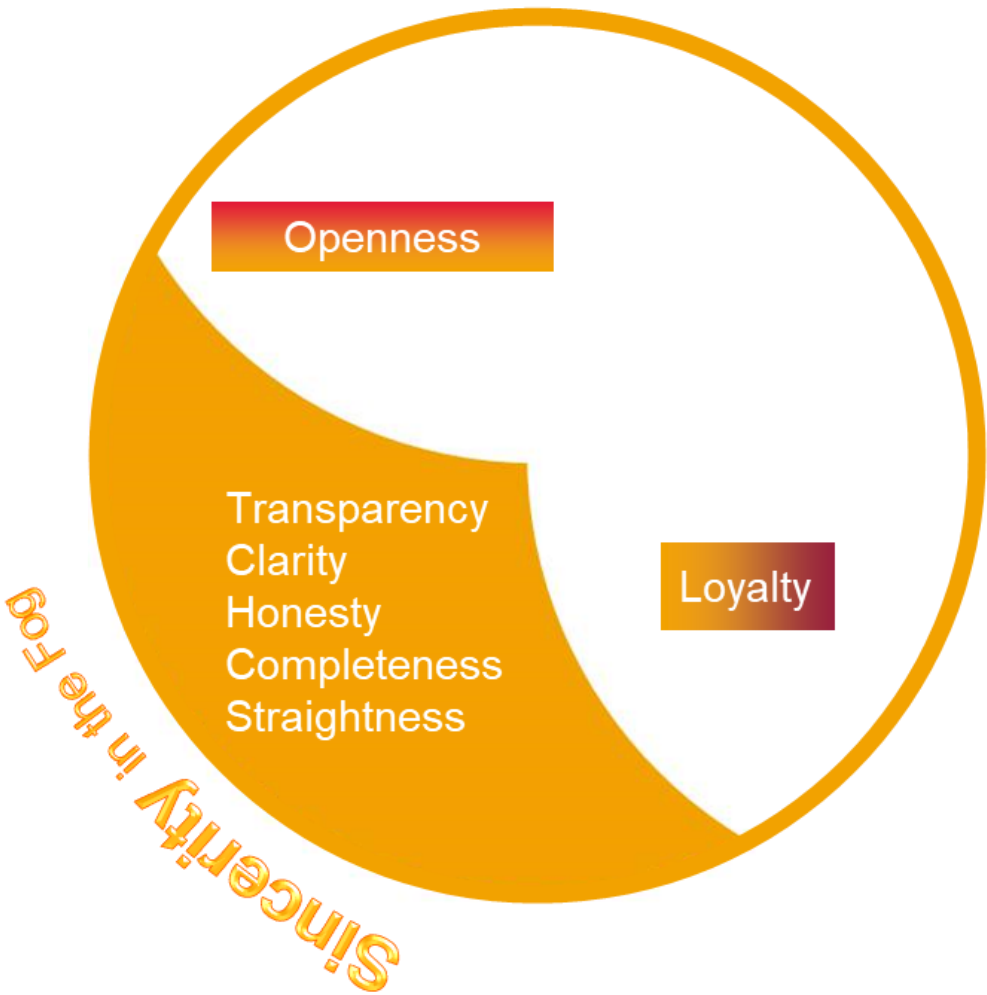
3

Core Value of Humanity 3: **Sincerity** in the Fog



3

Core Value of Humanity 3: **Sincerity** in the Fog





3

Core Value of Humanity 4: **Trust** in the Storm



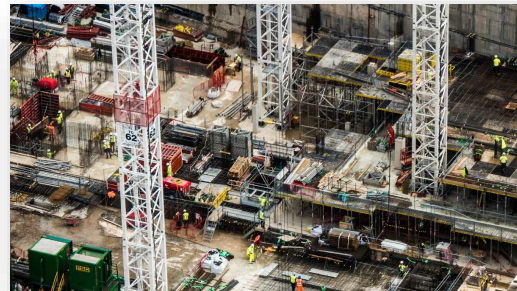
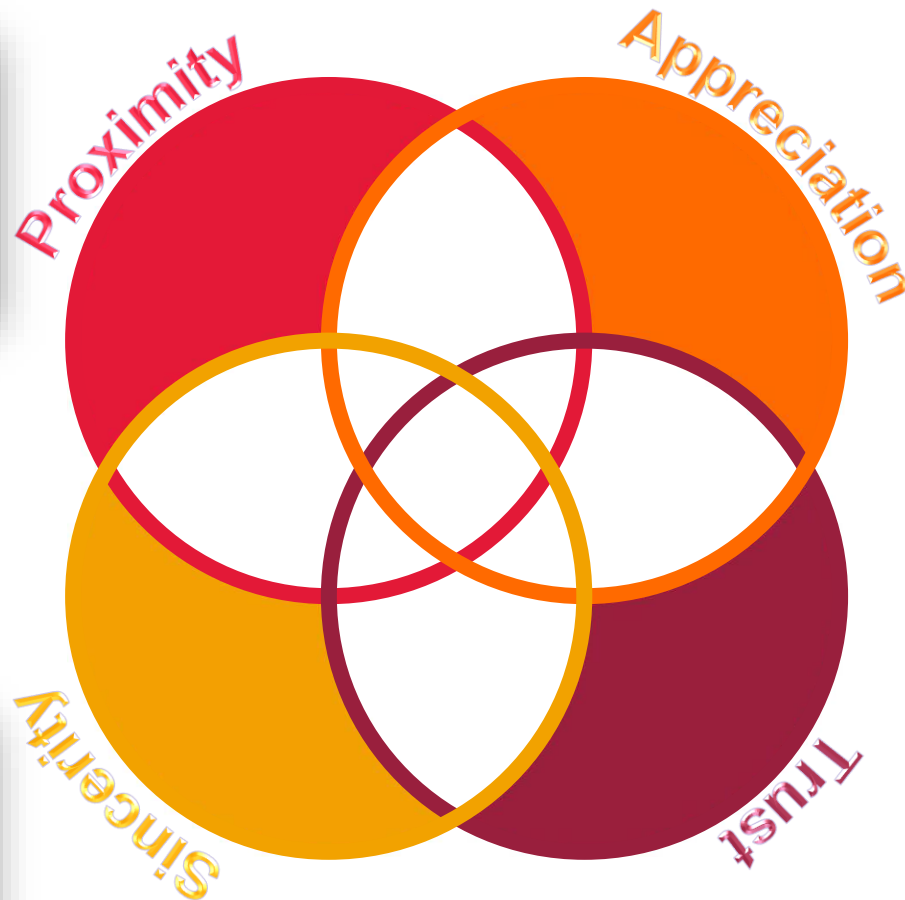
3

Core Value of Humanity 4: **Trust** in the Storm



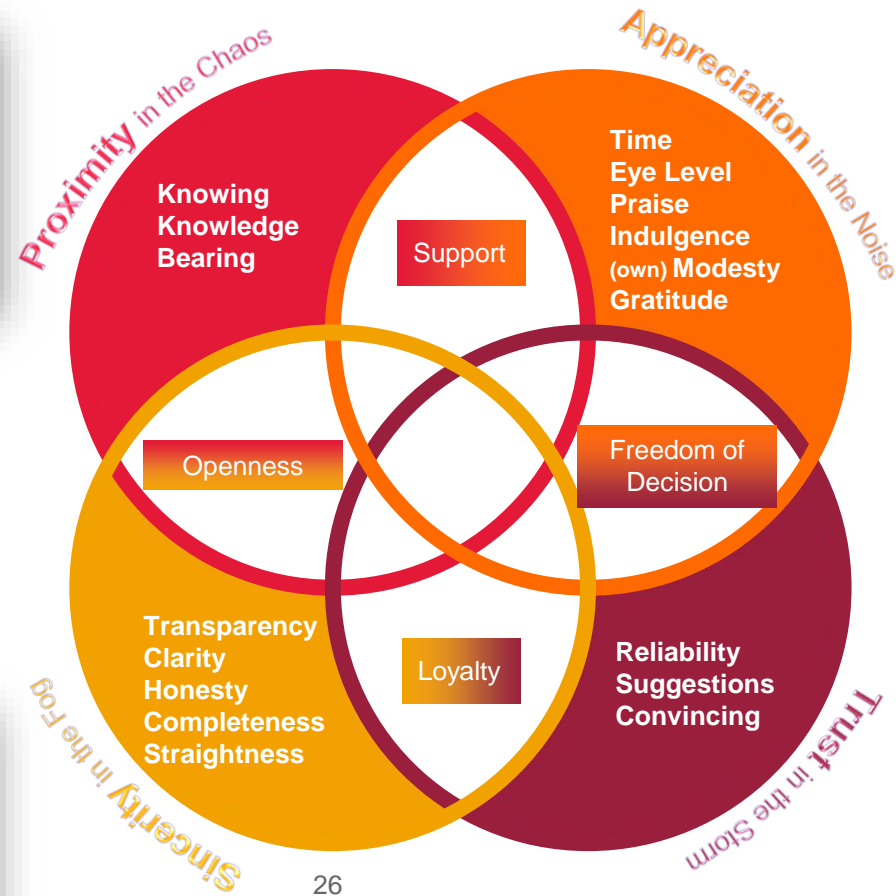
4

Everything is interrelated – but **HUMAN IS KEY**



4

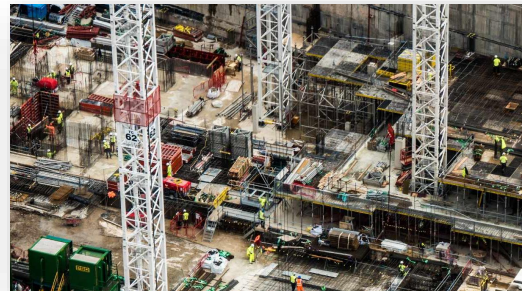
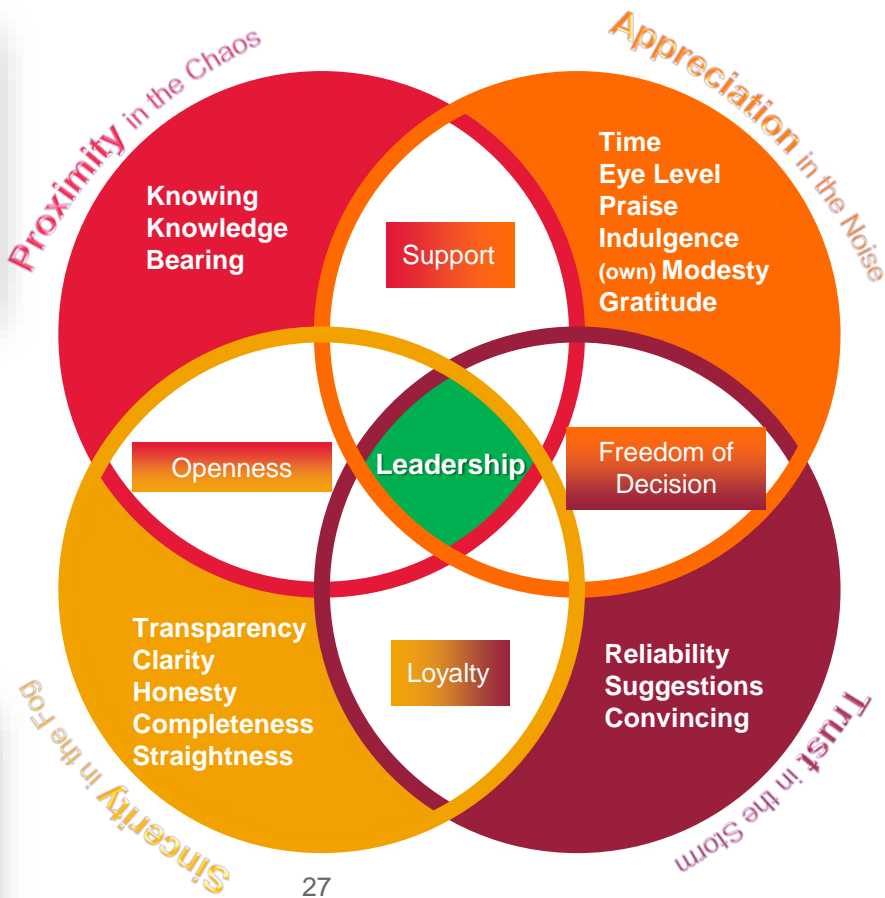
Everything is interrelated – but **HUMAN IS KEY**



26

4

Everything is interrelated – but **HUMAN IS KEY**



4

Everything is interrelated – but **HUMAN IS KEY**







... so now let's go into our worlds and

- deliver project management services to the best of our knowledge,
- deliver leadership to the best of our capabilities,
- deliver successful projects all over the world as good as we can.

But first of all and over all let's deliver HOPE and perspectives to our world and societies by keeping human in the middle of all we do – and in the middle of our hearts!

If there is hope in the future, there is power in the present!

(John C. Maxwell)